APPENDIX B-1:

RESULTS OF SOIL VAPOR ANALYSES

MOBILE GEOCHEMISTRY

H&P

February 9, 2005

Mr. David Conner
Battelle
3990 Old Town Ave.
Suite B104
San Diego, CA 92110

SUBJECT: DATA REPORT – JET PROPULSION LAB – 4800 OAK GROVE DRIVE – PASADENA, CA - GEOFON PROJECT #4-12812 JPL

H&P Mobile Geochemistry Project # GF020305-L6

Mr. Brehmer:
Please find enclosed a data report for the above referenced location. Soil vapor samples were analyzed on-site in DOHS certified mobile laboratory (CERT #2579).

Project Summary

Soil vapor from 12 points was analyzed for:

- volatile halogenated hydrocarbons by EPA Method 8260B
- volatile aromatic hydrocarbons (BTEX) by EPA Method 8260B

The samples were received on-site in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

Project Narrative

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfill quality control criteria. No data qualifiers (flags) apply to any of the reported data.

H&P Mobile Geochemistry appreciates the opportunity to provide analytical services to Geofon on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely,

Rebecca J Johnson for

Ms. Tamara Davis
Lab Director

432 North Cedros Avenue, Solana Beach, California 92075 | 858 793.0401 — Fax 858 793.0404
148 South Vinewood Street, Escondido, California 92029 | 760 735.3208 — Fax 760.735.2469
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GEOFON PROJECT # 04-12812-JPL
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF020305-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW39-VPI-001	SVW37-VPJ-002	SVW2-VPA-003	SVW4-VPB-004	SVW17-VPB-005	SVW10-VPB-006	SVW33-VPD-007	SVW33-VPE-008	SVW33-VPF-009	SVW33-VPF-010 Dup	SVW32-VPH-011	SVW36-VPB-012	SVW36-VPC-013	SVW36-VPC-014 Dup
DATE	02/03/05	02/03/05	02/03/05	02/03/05	02/03/05	02/03/05	02/03/05	02/03/05	02/03/05	02/03/05	02/03/05	02/03/05	02/03/05	02/03/05	02/03/05
ANALYSIS TIME	6:55	7:26	7:50	8:13	8:36	8:59	9:22	9:44	10:07	10:30	10:53	11:56	12:20	12:43	13:05
SAMPLING DEPTH (feet)	--	130	185	10	20	24	35	85	105	120	120	155	35	55	55
VOLUME WITHDRAWN (cc)	--	580	800	100	140	156	200	400	480	540	600	680	200	280	340
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.2	2.4	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.2	1.3	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	19	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	3.2	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)															
DIBROMODIFLUOROMETHANE	90%	93%	89%	91%	91%	94%	92%	94%	94%	94%	95%	90%	93%	92%	91%
1,2-DICHLOROETHANE-d4	89%	92%	89%	94%	89%	93%	93%	98%	91%	93%	96%	88%	95%	95%	94%
4 BROMOFLUORO BENZENE	90%	90%	90%	87%	90%	90%	89%	92%	89%	88%	89%	92%	89%	88%	94%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY
H&P

April 28, 2005

Mr. David Conner
Battelle
3990 Old Town Ave.
Suite B104
San Diego, CA 92110

SUBJECT: DATA REPORT – JET PROPULSION LAB – 4800 OAK GROVE DRIVE – PASADENA, CA - GEOFON PROJECT #4-73803 JPL

H&P Mobile Geochemistry Project # GF041905-L6

Mr. Conner:
Please find enclosed a data report for the above referenced location. Soil vapor samples were analyzed on-site in DOHS certified mobile laboratory (CERT #2579).

Project Summary

Soil vapor from 52 points was analyzed for:

- volatile halogenated hydrocarbons by EPA Method 8260B
- volatile aromatic hydrocarbons (BTEX) by EPA Method 8260B

The samples were received on-site in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

Project Narrative

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfill quality control criteria. No data qualifiers (flags) apply to any of the reported data.

H&P Mobile Geochemistry appreciates the opportunity to provide analytical services to Battelle on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely,

Tamara Davis

Ms. Tamara Davis
Lab Director

432 North Cedros Avenue, Solana Beach, California 92075 | 858 793.0401 — Fax 858 793.0404
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H&P Mobile Geochemistry

GEOFON PROJECT # 4-73803-JPL-Pasadena
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

H&P Project #GF041905-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW9-VPA-001	SVW9-VPB-002	SVW9-VPC-003	SVW9-VPD-004	SVW9-VPE-005	SVW10-VPB-006	SVW17-VPB-007	SVW26-VPF-008	SVW26-VPG-009	SVW26-VPG-010 Dup	SVW26-VPH-011	SVW2-VPA-012	SVW4-VPB-013
DATE	04/19/05	04/19/05	04/19/05	04/19/05	04/19/05	04/19/05	04/19/05	04/19/05	04/19/05	04/19/05	04/19/05	04/19/05	04/19/05	04/19/05
ANALYSIS TIME	7:09	7:56	8:19	8:41	9:25	9:47	10:08	10:32	10:54	11:15	11:36	12:41	13:03	13:27
SAMPLING DEPTH (feet)	--	20	35	50	70	87	35	24	115	140	140	160	10	20
VOLUME WITHDRAWN (cc)	--	140	200	260	340	408	200	156	520	620	680	700	100	140
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	18
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	9.1	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)														
DIBROMODIFLUOROMETHANE	93%	91%	91%	93%	92%	94%	95%	95%	94%	92%	93%	93%	91%	93%
1,2-DICHLOROETHANE-d4	93%	89%	89%	91%	92%	96%	97%	95%	92%	95%	95%	92%	95%	93%
4 BROMOFLUORO BENZENE	97%	97%	95%	93%	94%	93%	92%	94%	95%	96%	94%	93%	93%	93%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

H&P Mobile Geochemistry

GEOFON PROJECT # 4-73803-JPL-Pasadena
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

H&P Project #GF041905-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW27-VPA-014	SVW27-VPB-015	SVW27-VPC-016	SVW27-VPD-017	SVW27-VPE-018	SVW27-VPF-019	SVW27-VPF-020 Dup	SVW27-VPG-021	SVW27-VPI-022	SVW27-VPJ-023	SVW32-VPA-024	SVW33-VPD-025	SVW33-VPE-026	SVW33-VPF-027
DATE	04/20/05	04/20/05	04/20/05	04/20/05	04/20/05	04/20/05	04/20/05	04/20/05	04/20/05	04/20/05	04/20/05	04/20/05	04/20/05	04/20/05	04/20/05
ANALYSIS TIME	7:22	7:52	8:14	8:36	8:58	9:21	9:45	10:07	10:28	10:50	11:13	12:17	12:39	13:01	13:23
SAMPLING DEPTH (feet)	--	20	35	60	85	100	120	120	140	180	205	155	85	105	120
VOLUME WITHDRAWN (cc)	--	140	200	300	400	460	540	600	620	780	880	680	400	480	540
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	92	81	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)															
DIBROMODIFLUOROMETHANE	91%	91%	93%	92%	93%	94%	94%	92%	93%	93%	93%	93%	95%	93%	94%
1,2-DICHLOROETHANE-d4	93%	89%	96%	93%	95%	96%	97%	97%	94%	95%	92%	98%	98%	99%	94%
4 BROMOFLUORO BENZENE	95%	95%	95%	91%	98%	97%	93%	94%	98%	95%	96%	100%	92%	97%	93%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

H&P Mobile Geochemistry

GEOFON PROJECT # 4-73803-JPL-Pasadena
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

H&P Project #GF041905-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW36-VPA-028	SVW36-VPB-029	SVW36-VPC-030	SVW36-VPC-031 Dup	SVW36-VPD-032	SVW36-VPE-033	SVW38-VPD-034	SVW38-VPF-035	SVW38-VPJ-036	SVW35-VPB-037	SVW35-VPE-038
DATE	04/21/05	04/21/05	04/21/05	04/21/05	04/21/05	04/21/05	04/21/05	04/21/05	04/21/05	04/21/05	04/21/05	04/21/05
ANALYSIS TIME	7:52	8:14	8:41	9:03	9:25	9:48	10:09	10:31	10:52	11:13	11:35	12:43
SAMPLING DEPTH (feet)	--	20	35	55	55	75	92	80	110	170	35	80
VOLUME WITHDRAWN (cc)	--	140	200	280	340	360	446	380	500	740	200	380
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)												
DIBROMODIFLUOROMETHANE	95%	96%	95%	94%	96%	96%	94%	92%	93%	96%	95%	96%
1,2-DICHLOROETHANE-d4	97%	98%	99%	97%	103%	102%	101%	100%	98%	98%	101%	103%
4 BROMOFLUORO BENZENE	96%	95%	94%	94%	95%	96%	99%	93%	95%	94%	99%	97%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

H&P Mobile Geochemistry

GEOFON PROJECT # 4-73803-JPL-Pasadena
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

H&P Project #GF041905-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW39-VPA-039	SVW39-VPC-040	SVW39-VPC-041 Dup	SVW39-VPE-042	SVW39-VPF-043	SVW39-VPG-044	SVW39-VPI-045	SVW37-VPB-046	SVW37-VPD-047	SVW37-VPE-048	SVW37-VPH-049	SVW37-VPH-050 Dup	SVW37-VPI-051	SVW37-VPJ 052
DATE	04/22/05	04/22/05	04/22/05	04/22/05	04/22/05	04/22/05	04/22/05	04/22/05	04/22/05	04/22/05	04/22/05	04/22/05	04/22/05	04/22/05	04/22/05
ANALYSIS TIME	6:27	6:54	7:17	7:38	8:01	8:23	8:45	9:08	9:29	9:51	10:14	11:19	11:40	12:03	12:25
SAMPLING DEPTH (feet)	--	20	50	50	85	100	110	130	40	80	100	155	155	170	185
VOLUME WITHDRAWN (cc)	--	140	260	320	400	460	500	580	240	480	460	680	740	740	800
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	3.7	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	3.3	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)															
DIBROMODIFLUOROMETHANE	96%	97%	96%	95%	97%	93%	97%	97%	99%	95%	97%	95%	99%	96%	99%
1,2-DICHLOROETHANE-d4	103%	104%	104%	103%	104%	102%	103%	103%	104%	101%	103%	97%	105%	106%	104%
4 BROMOFLUORO BENZENE	95%	95%	95%	99%	99%	95%	98%	96%	93%	97%	96%	96%	96%	94%	95%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY

H&P

July 21, 2005

Mr. David Conner
Battelle
3990 Old Town Ave.
Suite B104
San Diego, CA 92110

SUBJECT: DATA REPORT – JET PROPULSION LAB – 4800 OAK GROVE DRIVE – PASADENA, CA - GEOFON PROJECT #4-73803 JPL

H&P Mobile Geochemistry Project # GF041905-L6

Mr. Conner:
Please find enclosed a data report for the above referenced location. Soil vapor samples were analyzed on-site in DOHS certified mobile laboratory (CERT #2579).

Project Summary

Soil vapor from 15 points was analyzed for:

- volatile halogenated hydrocarbons by EPA Method 8260B
- volatile aromatic hydrocarbons (BTEX) by EPA Method 8260B

The samples were received on-site in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

Project Narrative

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfill quality control criteria. No data qualifiers (flags) apply to any of the reported data.

H&P Mobile Geochemistry appreciates the opportunity to provide analytical services to Battelle on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely,

Rebecca F Johnson

Ms. Tamara Davis
Lab Director

432 North Cedros Avenue, Solana Beach, California 92075 | 858 793.0401 — Fax 858 793.0404
148 South Vinewood Street, Escondido, California 92029 | 760 735.3208 — Fax 760 735.2469
3825 Industry Avenue, Lakewood, California 90712 | 562 426.6991 — Fax 562 426.6995
www.HandPmg.com | 1-800-834-9888

GEOFON PROJECT # 4-73803-JPL-Pasadena
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

HP Labs Project #GF071205-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW5-VPB-001	SVW4-VPB-002	SVW3-VPB-003	SVW3-VPC-004	SVW39-VPF-005	SVW39-VPI-006	SVW25-VPI-007	SVW25-VPI-008 Dup	SVW33-VPE-009	SVW33-VPG-010	SVW27-VPI-011	SVW32-VPI-012	SVW32-VPJ-013	SVW17-VPB-014	SVW17-VPB-015 Dup
DATE	07/12/05	07/12/05	07/12/05	07/12/05	07/12/05	07/12/05	07/12/05	07/12/05	07/12/05	07/12/05	07/12/05	07/12/05	07/12/05	07/12/05	07/12/05	07/12/05
ANALYSIS TIME	7:19	7:41	8:02	8:23	8:45	9:06	9:27	9:48	10:10	10:31	10:53	11:58	12:19	12:41	13:06	13:28
SAMPLING DEPTH (feet)	--	9	20	29	40	100	130	180	18	105	140	180	180	195	24	24
VOLUME WITHDRAWN (cc)	--	96	140	176	220	460	580	780	840	480	620	780	780	840	150	210
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	1.3	1.3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	11	nd	nd	2.5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	2.5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)																
DIBROMODIFLUOROMETHANE	108%	108%	107%	111%	112%	108%	108%	111%	113%	112%	112%	108%	111%	107%	108%	111%
TOLUENE-D8	101%	100%	100%	102%	103%	102%	102%	102%	105%	104%	102%	103%	103%	103%	105%	104%
4 BROMOFLUORO BENZENE	100%	109%	100%	101%	100%	103%	103%	96%	99%	102%	97%	100%	105%	100%	102%	103%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY

H&P

Nov.8, 2005

Mr. David Conner
Battelle
3990 Old Town Avenue
Suite B104
San Diego, CA 92110

SUBJECT: DATA REPORT – JET PROPULSION LAB – 4800 OAK GROVE DRIVE – PASADENA, CA - GEOFON PROJECT #4-73803 JPL

H&P Project # GF101705-L6

Mr. Conner:

Please find enclosed a data report for the above referenced location. Soil vapor samples were analyzed on-site in DOHS certified mobile laboratory (CERT #2579).

Project Summary

Soil vapor from 106 points was analyzed for:

- volatile halogenated hydrocarbons by EPA Method 8260B
- volatile aromatic hydrocarbons (BTEX) by EPA Method 8260B

The samples were received on-site in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

Project Narrative

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, surrogates, and spike recoveries fulfill quality control criteria. No data qualifiers (flags) apply to any of the reported data.

H&P Mobile GeoChemistry appreciates the opportunity to provide analytical services to Battelle on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely,

Tamara Davis

Ms. Tamara Davis
Lab Director

432 North Cedros Avenue, Solana Beach, California 92075 | 858 793.0401 — Fax 858 793.0404
148 South Vinewood Street, Escondido, California 92029 | 760 735.3208 — Fax 760 735.2469
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GEOFON PROJECT # 4-73803-JPL-Pasadena
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

H&P Project #GF101705-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW31-VPA-001	SVW31-VPB-002	SVW31-VPC-003	SVW31-VPD-004	SVW31-VPE-005	SVW30-VPA-006	SVW30-VPB-007	SVW30-VPC-008	SVW30-VPD-009	SVW30-VPD-010 Dup	SVW30-VPE-011	SVW12-VPB-012	SVW12-VPC-013
DATE	10/17/05	10/17/05	10/17/05	10/17/05	10/17/05	10/17/05	10/17/05	10/17/05	10/17/05	10/17/05	10/17/05	10/17/05	10/17/05	10/17/05
ANALYSIS TIME	7:29	7:54	8:16	8:44	9:07	9:30	9:53	10:17	10:40	11:03	11:25	12:32	12:55	13:18
SAMPLING DEPTH (feet)	--	20	35	45	55	65	17	30	40	50	50	65	40	60
VOLUME WITHDRAWN (cc)	--	140	200	240	280	320	128	180	220	260	320	320	220	300
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)														
DIBROMODIFLUOROMETHANE	100%	98%	97%	98%	99%	99%	96%	104%	101%	106%	106%	98%	103%	104%
TOLUENE-D8	95%	95%	94%	98%	96%	94%	94%	97%	95%	96%	95%	95%	95%	95%
4 BROMOFLUORO BENZENE	99%	99%	99%	97%	96%	95%	95%	94%	96%	94%	94%	95%	96%	94%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

GEOFON PROJECT # 4-73803-JPL-Pasadena
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

H&P Project #GF101705-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW5-VPB-014	SVW6-VPD-015	SVW6-VPE-016	SVW3-VPB-017	SVW3-VPC-018	SVW7-VPA-019	SVW7-VPB-020	SVW7-VPB-021 Dup	SVW4-VPB-022	SVW2-VPA-023	SVW1-VPA-024	SVW1-VPB-025	SVW1-VPC-026
DATE	10/18/05	10/18/05	10/18/05	10/18/05	10/18/05	10/18/05	10/18/05	10/18/05	10/18/05	10/18/05	10/18/05	10/18/05	10/18/05	10/18/05
ANALYSIS TIME	7:20	7:43	8:05	8:28	8:50	9:12	9:37	10:00	10:22	10:45	11:09	12:24	12:47	13:09
SAMPLING DEPTH (feet)	--	9	77	96	29	40	20	35	35	20	10	10	21	33
VOLUME WITHDRAWN (cc)	--	96	368	444	176	220	140	200	260	140	100	100	144	192
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	1.0	1.4	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	9.5	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)														
DIBROMODIFLUOROMETHANE	103%	100%	99%	101%	99%	104%	104%	103%	102%	103%	103%	101%	103%	103%
TOLUENE-D8	95%	94%	95%	93%	93%	95%	95%	96%	94%	95%	95%	96%	95%	95%
4 BROMOFLUORO BENZENE	96%	94%	99%	95%	95%	93%	96%	97%	95%	94%	93%	97%	94%	95%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

GEOFON PROJECT # 4-73803-JPL-Pasadena
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

H&P Project #GF101705-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW32-VPA-027	SVW32-VPB-028	SVW32-VPI-029	SVW32-VPJ-030	SVW27-VPA-031	SVW27-VPA-032 Dup	SVW27-VPB-033	SVW27-VPC-034	SVW27-VPD-035	SVW27-VPF-036	SVW27-VPG-037	SVW27-VPI-038	SVW27-VPJ-039
DATE	10/19/05	10/19/05	10/19/05	10/19/05	10/19/05	10/19/05	10/19/05	10/19/05	10/19/05	10/19/05	10/19/05	10/19/05	10/19/05	10/19/05
ANALYSIS TIME	7:22	7:49	8:12	8:34	8:56	9:18	9:41	10:04	10:26	10:49	11:11	12:18	12:42	13:05
SAMPLING DEPTH (feet)	--	25	40	180	195	20	20	35	60	85	120	140	180	205
VOLUME WITHDRAWN (cc)	--	160	220	780	840	140	200	200	300	400	540	620	780	880
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.3	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	43	45	59	4.0	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)														
DIBROMODIFLUOROMETHANE	105%	103%	104%	103%	102%	104%	106%	106%	107%	102%	106%	102%	103%	108%
TOLUENE-D8	97%	94%	99%	97%	94%	94%	95%	95%	96%	93%	94%	96%	95%	98%
4 BROMOFLUORO BENZENE	97%	96%	93%	94%	94%	96%	93%	95%	95%	99%	96%	96%	94%	95%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

GEOFON PROJECT # 4-73803-JPL-Pasadena
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

H&P Project #GF101705-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW11-VPB-040	SVW9-VPA-041	SVW9-VPB-042	SVW9-VPB-043 Dup	SVW9-VPC-044	SVW9-VPD-045	SVW9-VPE-046	SVW10-VPB-047	SVW10-VPD-048	SVW8-VPC-049	SVW8-VPD-050	SVW8-VPE-051	SVW14-VPA-052	SVW14-VPB-053	SVW14-VPB-054 Dup
DATE	10/20/05	10/20/05	10/20/05	10/20/05	10/20/05	10/20/05	10/20/05	10/20/05	10/20/05	10/20/05	10/20/05	10/20/05	10/20/05	10/20/05	10/20/05	10/20/05
ANALYSIS TIME	7:33	8:02	8:25	8:47	9:09	9:31	9:55	10:18	10:42	11:04	11:36	12:45	13:07	13:29	13:52	14:13
SAMPLING DEPTH (feet)	--	40	20	35	35	50	70	87	35	69	50	70	90	5	10	10
VOLUME WITHDRAWN (cc)	--	220	140	200	260	260	340	408	200	336	260	340	420	80	100	160
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	2.2	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)																
DIBROMODIFLUOROMETHANE	104%	105%	103%	105%	105%	106%	107%	103%	105%	105%	107%	103%	107%	104%	98%	104%
TOLUENE-D8	96%	93%	94%	95%	95%	98%	97%	94%	96%	95%	94%	95%	93%	97%	93%	98%
4 BROMOFLUORO BENZENE	97%	96%	97%	95%	94%	94%	95%	91%	97%	94%	95%	99%	96%	95%	97%	99%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

GEOFON PROJECT # 4-73803-JPL-Pasadena
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

H&P Project #GF101705-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW33-VPA-055	SVW33-VPB-056	SVW33-VPC-057	SVW33-VPD-058	SVW33-VPE-059	SVW33-VPF-060	SVW33-VPG-061	SVW33-VPJ-062	SVW36-VPA-063	SVW36-VPA-064 Dup	SVW36-VPB-065	SVW36-VPC-066	SVW36-VPD-067	SVW36-VPE-068
DATE	10/21/05	10/21/05	10/21/05	10/21/05	10/21/05	10/21/05	10/21/05	10/21/05	10/21/05	10/21/05	10/21/05	10/21/05	10/21/05	10/21/05	10/21/05
ANALYSIS TIME	6:42	7:03	7:25	7:48	8:11	8:34	8:55	9:16	9:38	10:01	10:25	11:27	11:50	12:12	12:35
SAMPLING DEPTH (feet)	--	20	40	60	85	105	120	140	200	20	20	35	55	75	92
VOLUME WITHDRAWN (cc)	--	140	220	300	400	480	540	620	860	140	200	200	280	360	428
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)															
DIBROMODIFLUOROMETHANE	104%	105%	104%	103%	104%	102%	105%	103%	106%	103%	104%	107%	104%	107%	106%
TOLUENE-D8	95%	95%	96%	95%	95%	95%	95%	94%	96%	94%	95%	95%	95%	95%	95%
4 BROMOFLUORO BENZENE	92%	97%	96%	96%	92%	98%	94%	93%	94%	93%	93%	97%	95%	92%	92%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

GEOFON PROJECT # 4-73803-JPL-Pasadena
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

H&P Project #GF101705-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW28-VPA-069	SVW28-VPC-070	SVW28-VPD-071	SVW28-VPE-072	SVW25-VPA-073	SVW25-VPB-074	SVW25-VPB-075 Dup	SVW25-VPD-076	SVW35-VPA-077	SVW35-VPB-078	SVW35-VPE-079	SVW35-VPJ-080
DATE	10/24/05	10/24/05	10/24/05	10/24/05	10/24/05	10/24/05	10/24/05	10/24/05	10/24/05	10/24/05	10/24/05	10/24/05	10/24/05
ANALYSIS TIME	7:19	7:42	8:05	8:29	8:52	9:30	9:53	10:16	10:38	11:08	11:37	12:43	13:09
SAMPLING DEPTH (feet)	--	20	65	80	105	20	40	40	85	20	35	80	155
VOLUME WITHDRAWN (cc)	--	140	86	380	480	140	220	280	400	140	200	380	680
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)													
DIBROMODIFLUOROMETHANE	106%	105%	108%	109%	105%	107%	105%	108%	107%	106%	105%	105%	106%
TOLUENE-D8	95%	95%	94%	97%	95%	94%	97%	95%	95%	95%	95%	94%	97%
4 BROMOFLUORO BENZENE	93%	99%	96%	94%	96%	96%	93%	94%	93%	96%	95%	94%	96%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

GEOFON PROJECT # 4-73803-JPL-Pasadena
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

H&P Project #GF101705-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW37-VPB-081	SVW37-VPD-082	SVW37-VPE-083	SVW37-VPG-084	SVW37-VPH-085	SVW37-VPI-086	SVW37-VPJ 087	SVW19A-VPC-088	SVW19A-VPC-089 Dup	SVW38-VPA-090	SVW38-VPD-091	SVW38-VPF-092	SVW38-VPJ-093	SVW34-VPD-094	SVW34-VPE-095	SVW34-VPF-096
DATE	10/25/05	10/25/05	10/25/05	10/25/05	10/25/05	10/25/05	10/25/05	10/25/05	10/25/05	10/25/05	10/25/05	10/25/05	10/25/05	10/25/05	10/25/05	10/25/05	10/25/05
ANALYSIS TIME	6:48	7:13	7:35	7:58	8:20	8:42	9:04	9:26	9:50	10:12	10:41	11:50	12:12	12:34	12:56	13:19	13:42
SAMPLING DEPTH (feet)	--	40	80	100	140	155	170	185	60	60	85	80	110	170	65	80	95
VOLUME WITHDRAWN (cc)	--	220	380	460	620	680	740	800	300	360	160	380	500	740	320	380	440
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)																	
DIBROMODIFLUOROMETHANE	105%	108%	106%	114%	108%	105%	105%	108%	107%	109%	106%	105%	106%	105%	109%	107%	104%
TOLUENE-D8	94%	95%	95%	98%	96%	94%	95%	97%	94%	95%	93%	92%	94%	93%	96%	94%	96%
4 BROMOFLUORO BENZENE	94%	94%	94%	95%	93%	90%	95%	93%	95%	94%	92%	97%	92%	94%	96%	97%	89%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

GEOFON PROJECT # 4-73803-JPL-Pasadena
JET PROPULSION LABORATORY
4800 OAK GROVE DRIVE
PASADENA, CA

H&P Project #GF101705-L6

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER
VOLATILE HALOGENATED AND AROMATIC HYDROCARBONS (EPA Method 8260) ANALYSES OF SOIL VAPOR
SOIL VAPOR DATA IN UG/L-VAPOR

	AMBIENT BLANK	SVW15-VPB-097	SVW15-VPB-098 Dup	SVW15-VPC-099	SVW15-VPD-100	SVW15-VPE-101	SVW39-VPA-102	SVW39-VPE-103	SVW39-VPF-104	SVW39-VPG-105	SVW39-VPI-106
DATE	10/26/05	10/26/05	10/26/05	10/26/05	10/26/05	10/26/05	10/26/05	10/26/05	10/26/05	10/26/05	10/26/05
ANALYSIS TIME	7:10	7:33	7:55	8:18	8:41	9:03	9:26	9:48	10:09	10:32	10:55
SAMPLING DEPTH (feet)	--	40	40	60	75	90	20	85	100	110	130
VOLUME WITHDRAWN (cc)	--	220	280	300	360	420	140	400	460	500	580
VOLUME INJECTED	20	20	20	20	20	20	20	20	20	20	20
DILUTION FACTOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CARBON TETRACHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROFORM	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,2-DICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CIS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRANS-1,2-DICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLOROMETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TETRACHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2,2-TETRACHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,1-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLORO ETHANE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLORO ETHENE	nd	nd	nd	nd	nd	nd	nd	nd	1.9	nd	nd
VINYL CHLORIDE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROFLUOROMETHANE (FR11)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DICHLORODIFLUOROMETHANE (FR12)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
BENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLOROBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ETHYLBENZENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOLUENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
m&p-XYLENES	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
o-XYLENE	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
SURROGATES (75-125% RECOVERY)											
DIBROMODIFLUOROMETHANE	105%	106%	111%	107%	108%	111%	108%	108%	107%	104%	108%
TOLUENE-D8	94%	94%	95%	97%	97%	97%	95%	97%	96%	96%	94%
4 BROMOFLUORO BENZENE	93%	95%	98%	93%	94%	93%	96%	96%	95%	92%	96%

ND INDICATES NOT DETECTED AT A DETECTION LIMIT OF 1.0 UG/L-VAPOR FOR EACH COMPOUND
ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

APPENDIX B-2:

CHAIN-OF-CUSTODY FORMS

GEOFON INCORPORATED
22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

PROJECT FILE

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
SCOTT BREHMER	909-396-7662	909-396-1455	GF020305-L6	MARK BURKE	BATTELLE
PROJECT NAME: JPL # 3	PROJECT LOCATION: QUARTERLY SVW SAMPLING	PROJECT NUMBER: 4-17812	LABORATORY PHONE: 858-793-0401	LABORATORY FAX: 858-793-0404	RECIPIENT NAME: DAVID CONNER
PROJECT CONTACT: MARCO MENDOZA	PROJECT PHONE NUMBER: 619-843-9968	PROJECT FAX: 626-296-0200	LABORATORY ADDRESS: 437 N. CEDROS AVE		ADDRESS: 3990 OLD TOWN AVE SUITE # B104
PROJECT ADDRESS: 4800 OAK GROVE DR.	CITY, STATE AND ZIPCODE: PASADENA CA 91108	CLIENT: BATTELLE	CITY, STATE AND ZIPCODE: SOLANA BEACH CA 92075		CITY, STATE AND ZIPCODE: SAN DIEGO CA 92110
PROJECT MANAGER: ARNIE FAIRBERT	PROJECT MANAGER'S PHONE: 909-396-7662	PROJECT MANAGER'S FAX: 909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses: 8010/8020								Comments
1	SVW39-VPI-001	AIR	2/3/05	0710	NONE	1*	3	NORM	X								1* 60 cc SYRINGE
2	SVW37-VPJ-002	|	|	0732	|	|	|	|	X								
3	SVW12-VPA-003	|	|	0754	|	|	|	|	X								
4	SVW4-VPB-004	|	|	0816	|	|	|	|	X								
5	SVW17-VPB-005	|	|	0838	|	|	|	|	X								
6	SVW10-VPB-006	|	|	0900	|	|	|	|	X								
7	SVW33-VPD-007	|	|	0922	|	|	|	|	X								
8	SVW33-VPE-008	|	|	0944	|	|	|	|	X								
9	SVW33-VPF-009	|	|	1006	|	|	|	|	X								
10	SVW33-VPF-010 DUPLICATE	|	|	1008	|	|	|	|	X								DUPLICATE

SAMPLES COLLECTED BY: [signature]
COURIER AND AIR BILL NUMBER:
COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	2-3-05	1330	Good

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED
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DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

PROJECT FILE

GEOFON'S LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
SCOTT BREHMER	909-396-7662	909-396-1455	GF020305-L6	MARK BURKE	BATTELLE
PROJECT NAME: JPL #3	PROJECT LOCATION: QUARTERLY SVW SAMPLING	PROJECT NUMBER: 4-12812	LABORATORY PHONE: 858-793-0401	LABORATORY FAX: 858-793-0404	RECIPIENT NAME: DAVID CONNER
PROJECT CONTACT: MARCO MENDOZA	PROJECT PHONE NUMBER: 619-843-3968	PROJECT FAX: 626-296-0200	LABORATORY ADDRESS: 437 N. CEDROS AVE		ADDRESS: 3990 OLD TOWN AVE SUITE C104
PROJECT ADDRESS: 4800 OAK GROVE DR	CITY, STATE AND ZIPCODE: PASADENA CA 91108	CLIENT: BATTELLE	CITY, STATE AND ZIPCODE: SOLANA BEACH CA 92075		CITY, STATE AND ZIPCODE: SAN DIEGO CA 92110
PROJECT MANAGER: ASHAF FAHEEM	PROJECT MANAGER'S PHONE: 909-396-7662	PROJECT MANAGER'S FAX: 909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T	Analyses: 8010/8020								Comments
1	SVW32-VPA-011	AIR	2/3/05	1140	NONE	1*	3	Norm	X								1* 60cc SYRINGE
2	SVW36-VPB-012	|	|	1202	|	|	|	|	X								
3	SVW36-VPC-013	|	|	1224	|	|	|	|	X								
4	SVW36-VPC-013	|	|	1228	|	|	|	|	X								
5																	
6																	
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY: [signature] | COURIER AND AIR BILL NUMBER: | COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	2-3-05	1330	Good

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

1 of 2

GEOFON INCORPORATED
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DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON's LAB COORDINATOR: Scott Breaux	LAB COORDINATOR'S PHONE: 909-396-7662	LAB COORDINATOR'S FAX: 909-396-1455	LABORATORY SERVICE ID: GF041925-LC	LABORATORY CONTACT: Mark Burke	MAIL REPORT (COMPANY NAME): Battelle
PROJECT NAME: JPL #2	PROJECT LOCATION: SVW Sampling - 2005	PROJECT NUMBER: 4-72803	LABORATORY PHONE: 858-793-0401	LABORATORY FAX: 858-793-0434	RECIPIENT NAME: David Chaney
PROJECT CONTACT: Marco Lacosta	PROJECT PHONE NUMBER: 619-843-9568	PROJECT FAX: 626-391-0200	LABORATORY ADDRESS: 437 N. Cedros Ave		ADDRESS: 3990 Old Town Ave, Ste. ...
PROJECT ADDRESS: 4800 Oak Grove Dr.	CITY, STATE AND ZIPCODE: Pasadena CA 91109	CLIENT: Battelle	CITY, STATE AND ZIPCODE: Solana Beach, CA 92075		CITY, STATE AND ZIPCODE: San Diego, CA 92110
PROJECT MANAGER: Asha Eannon	PROJECT MANAGER'S PHONE: 909-391-7662	PROJECT MANAGER'S FAX: 909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T	Analyses: SVO/SP...							Comments
1	SVW9-VPA-001	AIR	4/19/05	0740	None	1*	III	Norm	X							1* - 60 cc Syringe
2	SVW9-VPB-002	|	|	0802	|	|	|	|	X							
3	SVW9-VPC-003	|	|	0824	|	|	|	|	X							
4	SVW9-VPD-004	|	|	0846	|	|	|	|	X							
5	SVW9-VPE-005	|	|	0908	|	|	|	|	X							
6	SVW10-VPB-006	|	|	0930	|	|	|	|	X							
7	SVW17-VPB-007	|	|	1014	|	|	|	|	X							
8	SVW26-VPF-008	|	|	1036	|	|	|	|	X							
9	SVW26-VPG-009	|	|	1058	|	|	|	|	X							
10	SVW26-VPG-010 DUPLICATE	|	|	1100	|	|	|	|	X							DUPLICATE

SAMPLES COLLECTED BY:	COURIER AND AIR BILL NUMBER:			COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY: [signature]	RECEIVED BY: [signature]	DATE: 4-19-05	TIME: 1310	SAMPLE'S CONDITION UPON RECEIPT

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	G	C	F	QC
1) Probe Depth 20'	X		X	
2) " " 35'	X		X	
3) " " 50'	X		X	
4) " " 70'	X		X	
5) " " 87'	X		X	
6) " " 35'	X		X	
7) " " 24'	X		X	
8) " " 115'	X		X	
9) " " 140'	X		X	
10) " " 140' DUPLICATE	X		X	

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

GEOFON

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
Scott Burhans	909-396-7662	909-396-1455	GF041905-26	Mark Burke	Battelle

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
JPL #7	SVW Sampling-2005	4-73503	858-792-0401	858-792-0404	David Conner

PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS	ADDRESS
Mark Mendoza	619-843-9968	626-256-0200	437 N. Cedros Ave	3990 Old Town Ave, Ste. [illegible]

PROJECT ADDRESS	CITY, STATE AND ZIPCODE	CLIENT	CITY, STATE AND ZIPCODE	CITY, STATE AND ZIPCODE
4800 Oak Grove Dr.	Pasadena, CA 91109	Battelle	Solana Beach, CA 92075	San Diego, CA 92110

PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX
Ashok Calhoun	909-396-7662	909-396-1455

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses: [illegible]							Comments
1	SVW26-VPH-011	AIR	4/19/05	1224	NONE	1*	III	NORM	X							1* 60 cc syringe
2	SVW7-VPA-012			1246					X							
3	SVW4-VPB-013			1308					X							
4																
5																
6																
7																
8																
9																
10																

SAMPLES COLLECTED BY:

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	4-19-05	1310	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	G	C	F	QC
1) Probe Depth 16.0'	X		X	
2) " " 10'	X		X	
3) " " 20'	X		X	
4)				
5)				
6)				
7)				
8)				
9)				
10)				

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

GEOFON INCORPORATED
22632 GOLDEN SPRINGS DR., SUITE 270
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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON'S LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
Scott Brochner	909-396-7662	909-396-1455	GF#418-05-26	Mark Burke	Battelle
PROJECT NAME: JPL #3	PROJECT LOCATION: Quarterly SVW Sampling 2005	PROJECT NUMBER: 4-73803	LABORATORY PHONE: 858-793-0401	LABORATORY FAX: 858-793-0404	RECIPIENT NAME: David Cramer
PROJECT CONTACT: Marco Mendoza	PROJECT PHONE NUMBER: 619-843-9968	PROJECT FAX: 626-396-0200	LABORATORY ADDRESS: 437 N. Cedros Ave		ADDRESS: 3990 Old Town Ave, Ste. Bldg
PROJECT ADDRESS: 4800 Oak Grove Dr.	CITY, STATE AND ZIPCODE: Pasadena CA 91109	CLIENT: Battelle	CITY, STATE AND ZIPCODE: Solana Beach, CA 92075		CITY, STATE AND ZIPCODE: San Diego, CA 92110
PROJECT MANAGER: Asrar Faheem	PROJECT MANAGER'S PHONE: 909-396-7662	PROJECT MANAGER'S FAX: 909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses 8015/8020							Comments
1	SVW27-VPA-014	AIR	4/20/05	0734	NONE	1*	III	NORM	✓							1* - 60 cc Syringe
2	SVW27-VPB-015	↓	↓	0753	↓	↓	↓	↓	✓							
3	SVW27-VPC-016			0818					✓							
4	SVW27-VPD-017			0840					✓							
5	SVW27-VPE-018			0902					✓							
6	SVW27-VPF-019			0920					✓							
7	SVW27-VPF-020 Duplicate			0926					✓							Duplicate
8	SVW27-VPG-021			1008					✓							
9	SVW27-VPH-022			1030					✓							
10	SVW27-VPJ-023	↓	↓	1052	↓	↓	↓	↓	✓							

SAMPLES COLLECTED BY:
COURIER AND AIR BILL NUMBER:
COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	4-20-05	1315	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section For Project Personnel Only Do Not Submit to Laboratory

Sample Point Location	G	C	F	QC
1) Port Depth 20'	✓		✓	
2) " " 35'	✓		✓	
3) " " 60'	✓		✓	
4) " " 85'	✓		✓	
5) " " 100'	✓		✓	
6) " " 120'	✓		✓	
7) " " 120' Duplicate	✓		✓	✓
8) Port Depth 140'	✓		✓	
9) Port Depth 180'	✓		✓	
10) Port Depth 205'	✓		✓	

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON'S LAB COORDINATOR: Scott Brehmer	LAB COORDINATOR'S PHONE: 909-396-7662	LAB COORDINATOR'S FAX: 909-396-1455	LABORATORY SERVICE ID: GF041805-L6	LABORATORY CONTACT: Mark Burke	MAIL REPORT (COMPANY NAME): Battelle
PROJECT NAME: JPL #3	PROJECT LOCATION: SVW Sampling - 2005	PROJECT NUMBER: 4-73803	LABORATORY PHONE: 858-793-0401	LABORATORY FAX: 858-793-0404	RECIPIENT NAME: David Connor
PROJECT CONTACT: Marco Mendoza	PROJECT PHONE NUMBER: 626-843-9968	PROJECT FAX: 626-396-0700	LABORATORY ADDRESS: 437 N. Cedros Ave		ADDRESS: 3990 Old Town Ave, Ste. Bldg
PROJECT ADDRESS: 4800 Oak Grove Dr.	CITY, STATE AND ZIPCODE: Pasadena, CA 91109	CLIENT: Battelle	CITY, STATE AND ZIPCODE: Solana Beach, CA 92075		CITY, STATE AND ZIPCODE: San Diego, CA 92110
PROJECT MANAGER: Asrar Faheem	PROJECT MANAGER'S PHONE: 909-396-7662	PROJECT MANAGER'S FAX: 909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses: 8015/8020							Comments
1	SVW32-VPH-024	AIR	4/21/05	1158	NONE	1*	III	NORM	X							1* - 60 cc Syringe
2	SVW33-VPD-025	|	|	1220	|	|	|	|	X							
3	SVW33-VPE-026	|	|	1242	|	|	|	|	X							
4	SVW33-VPF-027	|	|	1254	|	|	|	|	X							
5																
6																
7																
8																
9																
10																

SAMPLES COLLECTED BY:
COURIER AND AIR BILL NUMBER:
COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	4-22-05	1315	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	G	C	F	QC
1) Port Depth 155'	X		X	
2) " " 85'	X		X	
3) " " 105'	X		✓	
4) " " 120'	X		X	
5)				
6)				
7)				
8)				
9)				
10)				

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
Scott Brenner	909-396-7662	909-396-1455	GF041905-L6	Mark Burke	BATELLE

PROJECT NAME:	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
JPL #3	SVW SAMPLING - 2005	4-73803	858-793-0401	858-793-0404	DAVID [illegible]

PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS	ADDRESS
Marco Mendoza	619-543-9968	626-396-0202	437 N. CEDROS AVE	3990 OLD TOWN AVE, STE. B104

PROJECT ADDRESS	CITY, STATE AND ZIPCODE	CLIENT	CITY, STATE AND ZIPCODE	CITY, STATE AND ZIPCODE
4800 OAK GROVE DR	PASADENA, CA 91109	BATELLE	SOLANA BEACH, CA 92075	SAN DIEGO, CA 92110

PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX
Ashkan Faheem	909-396-7662	909-396-1455

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses 8010/8020								Comments
1	SVW36-VPA-028	AIR	4/21/05	0750	NONE	1*	III	NORMAL	✓								1* = 60 CC SYRINGE
2	SVW36-VPB-029	|	|	0812	|	|	|	|	✓								
3	SVW36-VPC-030			0834					✓								
4	SVW36-VPC-031 DUPLICATE			0836					✓								DUPLICATE
5	SVW36-VPD-032			0918					✓								
6	SVW36-VPE-033			0940					✓								
7	SVW39-VPD-034			1002					✓								
8	SVW38-VPF-035			1024					✓								
9	SVW38-VPJ-036			1046					✓								
10	SVW35-VPB-037			1108					✓								

SAMPLES COLLECTED BY:	COURIER AND AIR BILL NUMBER:			COOLER TEMPERATURE UPON RECEIPT
RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	4-21-05	1230	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section For Project Personnel Only Do Not Submit to Laboratory

Sample Point Location	G	C	F	QC
1) PORT DEPTH 20'	X		X	
2) " " 35'	X		X	
3) " " 55'	X		X	
4) " " 55' DUPLICATE	X		X	X
5) PORT DEPTH 75'	X		X	
6) " " 92'	X		X	
7) " " 80'	X		X	
8) " " 110'	X		X	
9) " " 170'	X		X	
10) " " 35'	X		X	

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON's LAB COORDINATOR: Scott Birchman	LAB COORDINATOR'S PHONE: 909-396-7662	LAB COORDINATOR'S FAX: 909-396-1455	LABORATORY SERVICE ID: [illegible]	LABORATORY CONTACT: Mark Burke	MAIL REPORT (COMPANY NAME): Battelle
PROJECT NAME: JPL #3	PROJECT LOCATION: SVW Sampling - 2005	PROJECT NUMBER: 4-73803	LABORATORY PHONE: 858-793-[illegible]	LABORATORY FAX: 858-793-0434	RECIPIENT NAME: David Connor
PROJECT CONTACT: Marco Mendoza	PROJECT PHONE NUMBER: 619-843-9968	PROJECT FAX: 626-296-2200	LABORATORY ADDRESS: 437 N. Cedros Ave		ADDRESS: 3990 Old Town Ave, Ste [illegible]
PROJECT ADDRESS: 4800 Oak Grove Dr.	CITY, STATE AND ZIPCODE: Pasadena CA 91109	CLIENT: Battelle	CITY, STATE AND ZIPCODE: Solana Beach CA 92075		CITY, STATE AND ZIPCODE: San Diego, CA 92110
PROJECT MANAGER: Ashraf Faheem	PROJECT MANAGER'S PHONE: 909-396-7662	PROJECT MANAGER'S FAX: 909-396-1455			

Analyses: [illegible] 1802?

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses								Comments
1	SVW35-VPE-038	Air	4/11/05	1222	None	1*	III	Norm									1* ~ 60 cc Syringe
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY: Marco Mendoza

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	4-11-05	12:39	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	G	C	F	QC
1) RRT Depth 80'	✓		✓	
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
SCOTT BOEHNKE	909-396-7662	909-396-1455	GF041905-L6	MARK BURKE	BATTELLE
PROJECT NAME: JPL #3	**PROJECT LOCATION** SVW SAMPLING - 2005	**PROJECT NUMBER** 4-72807	**LABORATORY PHONE** 858-793-0401	**LABORATORY FAX** 858-793-0404	**RECIPIENT NAME** DAVID CONNER
PROJECT CONTACT MARCO MENDOZA	**PROJECT PHONE NUMBER** 619-843-9968	**PROJECT FAX** 626-396-0200	**LABORATORY ADDRESS** 437 N CEDROS AVE		**ADDRESS** 3990 OLD TOWN AVE STE B104
PROJECT ADDRESS 4800 OAK GROVE DR.	**CITY, STATE AND ZIPCODE** PASADENA CA 91109	**CLIENT** BATTELLE	**CITY, STATE AND ZIPCODE** SOLANA BEACH, CA 92075		**CITY, STATE AND ZIPCODE** SAN DIEGO, CA 92110
PROJECT MANAGER ASLAR FAHEEM	**PROJECT MANAGER'S PHONE** 909-396-7662	**PROJECT MANAGER'S FAX** 909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses: 8260/8021								Comments
1	SVW39-VDA-039	AIR	4-21-05	0635	NONE	1*	III	NORM	✓								1* - 60 CC SYRINGE
2	SVW39-VPC-040	|	|	0657	|	|	|	|	✓								
3	SVW39-VPC-041 DUPLICATE	|	|	0659	|	|	|	|	✓								DUPLICATE
4	SVW39-VPE-042	|	|	0743	|	|	|	|	✓								
5	SVW39-VPG-043	|	|	0805	|	|	|	|	✓								
6	SVW39-VPG-044	|	|	0827	|	|	|	|	✓								
7	SVW39-VPI-045	|	|	0849	|	|	|	|	✓								
8	SVW37-VPB-046	|	|	0911	|	|	|	|	✓								
9	SVW37-VPD-047	|	|	0933	|	|	|	|	✓								
10	SVW37-VPE-048	|	|	0955	|	|	|	|	✓								

SAMPLES COLLECTED BY: | COURIER AND AIR BILL NUMBER: | COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	4-22-05	12:15	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section For Project Personnel Only Do Not Submit to Laboratory

Sample Point Location	G	C	F	QC
1) PORT DEPTH 20'	X		X	
2) " " 50'	X		X	
3) " " 50' DUPLICATE	X		X	X
4) " " 85'	X		X	
5) " " 100'	X		X	
6) " " 110'	X		X	
7) " " 130'	X		X	
8) " " 40'	X		X	
9) " " 80'	X		X	
10) " " 100'	X		X	

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
Scott Brenner	909-396-7662	909-396-1455	GFX41905-16	Mark Burke	Battelle
PROJECT NAME: JPL #3	PROJECT LOCATION: SVW Sampling - 2005	PROJECT NUMBER: 4-73833	LABORATORY PHONE: 858-793-0401	LABORATORY FAX: 858-793-0404	RECIPIENT NAME: David Conaway
PROJECT CONTACT: Marco Mendoza	PROJECT PHONE NUMBER: 818-843-9969	PROJECT FAX: 626-396-0203	LABORATORY ADDRESS: 427 N. Cedros Ave		ADDRESS: 3990 Old Town Ave, Ste. Bldg
PROJECT ADDRESS: 4800 Oak Grove Dr.	CITY, STATE AND ZIPCODE: Pasadena, CA 91109	CLIENT: Battelle	CITY, STATE AND ZIPCODE: Solana Beach, CA 92075		CITY, STATE AND ZIPCODE: San Diego, CA 92110
PROJECT MANAGER: Asrar Faheem	PROJECT MANAGER'S PHONE: 909-396-7662	PROJECT MANAGER'S FAX: 909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T	Analyses: SVS/8020								Comments
1	SVW 37-PVH-049	Air	4-22-05	1101	None	1*	III	Norm	X								1* - 60 cc Syringe
2	SVW 37-PVH-050 Duplicate			1102					X								Duplicate
3	SVW 37-PVJ-051			1155					X								
4	SVW 37-PVJ-052			1207					X								
5																	
6																	
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY:

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	4-22-05	1215	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	G	C	F	QC
1) Port Depth 85'	X		X	
2) " " 155' Duplicate	X		X	X
3) " " 170	X		X	
4) " " 185'	X		X	
5)				
6)				
7)				
8)				
9)				
10)				

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

GEOFON INCORPORATED

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CHAIN-OF-CUSTODY RECORD

PROJECT FILE

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
MARCO MENDOZA	619-843-9968	626-296-0200	GF071205-L6	MARK BURKE	BATTELLE
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
3Q05 - SVE JPL	JPL - MULTIPLE LOCATIONS	4-73803	858-793-0401	858-793-0404	DAVID CALLEY
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**		**ADDRESS**
MARIA MENDOZA	619-843-9968	626-296-0200	437 N. CEDROS AVE		3990 OLD TOWN AVE, STE E205
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**		**CITY, STATE AND ZIPCODE**
4800 OAK GROVE DR.	PASADENA, CA 91109	BATTELLE	SOLANA BEACH, CA 92075		SAN DIEGO, CA 92110
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			
TONY FORD	909-396-7662	909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses 8315/8320							Comments
1	SVW5-VPB-001	AIR	7/12/05	713	NONE	1*	III	NORM	X							1*-60 cc SYRINGE
2	SVW4-VPB-002			735					X							
3	SVW3-VPB-003			757					X							
4	SVW3-VPC-004			819					X							
5	SVW3C-VPE-005			841					X							
6	SVW3C-VPF-006			903					X							
7	SVW2S-VPJ-007			925					X							
8	SVW5-VPI-008 (DUPE)			—					X							DUPLICATE
9	SVW33-VPE-009			1009					X							
10	SVW33-VPG-010			1031					X							

SAMPLES COLLECTED BY	COURIER AND AIR BILL NUMBER			COOLER TEMPERATURE UPON RECEIPT
MM				
RELINQUISHED BY	**RECEIVED BY**	**DATE**	**TIME**	**SAMPLE'S CONDITION UPON RECEIPT**
		7-12-05	1245	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED

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CHAIN-OF-CUSTODY RECORD

PROJECT FILE

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
MARCO MENDOZA	619-843-9968	626-296-0200	GF071205-L6	MARK BUNKE	BATTELLE
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
3005-SVE JPL	JPL-MULTIPLE LOCATIONS	4-73803	858-793-0401	858-793-0404	DAVID CONNER
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**		**ADDRESS**
MARCO MENDOZA	619-843-9968	626-296-0200	437 N. CEDROS AVE		3990 OLD TOWN AVE, STE. C-205
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**		**CITY, STATE AND ZIPCODE**
4802 OAK GROVE DR.	PASADENA CA 91107	BATTELLE	SOLANA BEACH, CA 92075		SAN DIEGO, CA 92110
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			
TONY FORD	909-396-7662	909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses 8010/8020	Comments
1	SVW27-VPI-011	AIR	7/12/05	1136	NONE	1*	III	NORM	X	1*-60 cc SYRINGE
2	SVW32-VPI-012	"	"	1158	"	"	"	"	X	
3	SVW32-VPJ-013	"	"	1220	"	"	"	"	X	
4	SVW17-VPB-014	"	"	1242	"	"	"	"	X	
5	SVW17-VPB-015 (DUPE)	"	"	—	"	"	"	"	X	DUPLICATE
6										
7										
8										
9										
10										

SAMPLES COLLECTED BY: MM

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
		7-12-05	1245	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

GEOFON INCORPORATED

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON's LAB COORDINATOR: MALCOM MENDOZA	LAB COORDINATOR'S PHONE: 909-396-7662	LAB COORDINATOR'S FAX: 909-396-1455	LABORATORY SERVICE ID: GF101705-46	LABORATORY CONTACT: MARK BURKE	MAIL REPORT (COMPANY NAME): BATTELLE
PROJECT NAME: SPL #3	PROJECT LOCATION: ANNUAL SVW SAMPLING	PROJECT NUMBER: 1-73803	LABORATORY PHONE: 858-793-0101	LABORATORY FAX: 858-793-0404	RECIPIENT NAME: DAVID CONNER
PROJECT CONTACT: DAVID CONNER	PROJECT PHONE NUMBER: 619-843-9968	PROJECT FAX: 626-296-0200	LABORATORY ADDRESS: 437 N. CEDROS AVE		ADDRESS: 3990 OLD TOWN AVE #B104
PROJECT ADDRESS: 4800 OAK GROVE DR	CITY, STATE AND ZIPCODE: PASADENA CA 91108	CLIENT: BATTELLE	CITY, STATE AND ZIPCODE: SOLANA BEACH CA 92075		CITY, STATE AND ZIPCODE: SAN DIEGO CA 92110
PROJECT MANAGER: ASLAM FAHEEM	PROJECT MANAGER'S PHONE: 909-396-7662	PROJECT MANAGER'S FAX: 909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T	Analyses 8010/8020	Comments
1	SVW31-VPA-001	AIR	10/17/05	0740	NONE	1*	3	NORM	X	1* 60cc SYRINGE
2	SVW31-VPB-002			0802					X	
3	SVW31-VPC-003			0824					X	
4	SVW31-VPD-004			0846					X	
5	SVW31-VPE-005			0908					X	
6	SVW30-VPA-006			0930					X	
7	SVW30-VPB-007			0952					X	
8	SVW30-VPC-008			1014					X	
9	SVW30-VPD-009			1036					X	
10	SVW30-VPD-010 DUPLICATE			1037					X	DUPLICATE

SAMPLES COLLECTED BY: [signature]

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	10-17-05	1259	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type G	C	F	QC
PROBE DEPTH 20'				
2) " " 35'				
3) " " 45'				
4) " " 55'				
5) " " 65'				
6) " " 17'				
7) " " 30'				
8) " " 40'				
9) " " 50'				
10) " " 50' DUPLICATE				

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

GEOFON INCORPORATED

22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON'S LAB COORDINATOR: MARCO MENDOZA	LAB COORDINATOR'S PHONE: 909-396-7662	LAB COORDINATOR'S FAX: 909-396-1455	LABORATORY SERVICE ID: GF191705-L6	LABORATORY CONTACT: MARK BURKE	MAIL REPORT (COMPANY NAME): BATTELLE
PROJECT NAME: SPL # 3	PROJECT LOCATION: ANNUAL SVW SAMPLING	PROJECT NUMBER: 4-73803	LABORATORY PHONE: 858-793-0401	LABORATORY FAX: 858-793-0404	RECIPIENT NAME: DAVID CONNER
PROJECT CONTACT: DAVID CONNER	PROJECT PHONE NUMBER: 619-843-9968	PROJECT FAX: 626-296-0200	LABORATORY ADDRESS: 4137 N. CEDROS AVE		ADDRESS: 3990 OLD TOWN AVE # D104
PROJECT ADDRESS: 1800 OAK GROVE DR	CITY, STATE AND ZIPCODE: PASADENA CA 91105	CLIENT: BATTELLE	CITY, STATE AND ZIPCODE: SOLANA BEACH CA 92075		CITY, STATE AND ZIPCODE: SAN DIEGO CA 92108
PROJECT MANAGER: ASRAR FAHEEM	PROJECT MANAGER'S PHONE: 909-396-7662	PROJECT MANAGER'S FAX: 909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses 8010/8020	Comments
1	SVW30-VPE-011	AIR	10/12/05	1215	NONE	1*	3	2 DAY	X	1* 60cc SYRINGE
2	SVW12-VPE-012	"	"	12:39	"	"	"	"	X	
3	SVW12-VPE-013	"	"	12:48	"	"	"	"	X	
4										
5										
6										
7										
8										
9										
10										

SAMPLES COLLECTED BY: [signature]

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	10-17-05	12:50	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type: G	C	F	QC
1) PROBE DEPTH 65'				
2) " " 40'				
3) " " 60'				
4)				
5)				
6)				
7)				
8)				
9)				
10)				

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON'S LAB COORDINATOR: MARCO MENDOZA	LAB COORDINATOR'S PHONE: 909-396-7662	LAB COORDINATOR'S FAX: 909-396-1455	LABORATORY SERVICE ID: GF101805-16	LABORATORY CONTACT: MARK BURKE	MAIL REPORT (COMPANY NAME): BATTELLE
PROJECT NAME: JPL #3	PROJECT LOCATION: ANNUAL SNOW SAMPLING	PROJECT NUMBER: 4-73803	LABORATORY PHONE: 858-793-0401	LABORATORY FAX: 858-793-0404	RECIPIENT NAME: DAVID CONNER
PROJECT CONTACT: DAVID CONNER	PROJECT PHONE NUMBER: 619-843-9968	PROJECT FAX: 626-296-0200	LABORATORY ADDRESS: 437 N. CEDROS AVE		ADDRESS: 3990 OLD TOWN AVE #B104
PROJECT ADDRESS: 4800 OAK GROVE DR	CITY, STATE AND ZIPCODE: PASADENA CA 91108	CLIENT: BATTELLE	CITY, STATE AND ZIPCODE: SOLANA BEACH CA 92075		CITY, STATE AND ZIPCODE: SAN DIEGO CA 92110
PROJECT MANAGER: ASRAR FAHEEM	PROJECT MANAGER'S PHONE: 909-396-7662	PROJECT MANAGER'S FAX: 909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T	Analyses: 8010/8020	Comments
1	SNW5-VPE-014	AIR	10/18/05	0726	NONE	1*	3	NORM	X	1* 60cc SYRINGE
2	SNW6-VPD-015			0745					X	
3	SNW6-VPE-016			0910					X	
4	SNW3-VPB-017			0832					X	
5	SNW3-VPC-018			0954					X	
6	SNW7-VPA-019			0920					X	
7	SNW7-VPB-020			0942					X	
8	SNW7-VPB-021 DUPLICATE			0943					X	DUPLICATE
9	SNW4-VPB-022			1027					X	
10	SNW2-VPA-023			1049					X	

SAMPLES COLLECTED BY:

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
		10-18-05	1310	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type: G	C	F	QC
1) PROBE DEPTH 9'				
2) " " 77'				
3) " " 96'				
4) " " 29'				
5) " " 40'				
6) " " 20'				
7) " " 35'				
8) " " 35' (DUPLICATE)				
9) " " 20'				
10) " " 10'				

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON's LAB COORDINATOR: MARCO MENDOZA	LAB COORDINATOR'S PHONE: 909-396-7662	LAB COORDINATOR'S FAX: 909-396-1455	LABORATORY SERVICE ID: GF10[illegible]46	LABORATORY CONTACT: MARK BURKE	MAIL REPORT (COMPANY NAME): BATTELLE
PROJECT NAME: JRL #3	PROJECT LOCATION: ANNUAL SVW SAMPLING	PROJECT NUMBER: 1-73803	LABORATORY PHONE: 858-793-0470	LABORATORY FAX: 858-793-0404	RECIPIENT NAME: DAVID CONNER
PROJECT CONTACT: DAVID CONNER	PROJECT PHONE NUMBER: 619-843-9968	PROJECT FAX: 626-296-0200	LABORATORY ADDRESS: 437 N. CEDROS AVE	ADDRESS: 3990 OLD TOWN AVE #B104	
PROJECT ADDRESS: 4800 OAK GROVE DR	CITY, STATE AND ZIPCODE: PASADENA CA 91108	CLIENT: BATTELLE	CITY, STATE AND ZIPCODE: SOLANA BEACH CA 92075	CITY, STATE AND ZIPCODE: SAN DIEGO CA 92110	
PROJECT MANAGER: ASKAR FAHJEEM	PROJECT MANAGER'S PHONE: 909-396-7667	PROJECT MANAGER'S FAX: 909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T	Analyses 8010/8020	Comments
1	SVW1-VPA-024	AIR	10/14/05	1208	NONE	1*	3	NORM	X	1* 60cc SYRINGE
2	SVW1-VPB-025	"	"	1230	"	"	"	"	X	
3	SVW1-VPC-026	"	"	1252	"	"	"	"	X	
4									X	
5									X	
6									X	
7									X	
8									X	
9									X	
10									X	

SAMPLES COLLECTED BY: [signature]

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	10-18-05	1300	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type: G	C	F	QC
1) PROBE DEPTH 10'				
2) " " 21'				
3) " " 33'				
4) " "				
5) " "				
6) " "				
7) " "				
8) " "				
9) " "				
10) " "				

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON's LAB COORDINATOR: MARCO MENDOZA	LAB COORDINATOR'S PHONE: 909-396-7662	LAB COORDINATOR'S FAX: 909-396-1455	LABORATORY SERVICE ID: GF101705-L6	LABORATORY CONTACT: MARK BURKE	MAIL REPORT (COMPANY NAME): BATTELLE
PROJECT NAME: SPL #3	PROJECT LOCATION: ANNUAL SMW SAMPLING	PROJECT NUMBER: 4-73803	LABORATORY PHONE: 858-793-0401	LABORATORY FAX: 858-793-0404	RECIPIENT NAME: DAVID CONNER
PROJECT CONTACT: DAVID CONNER	PROJECT PHONE NUMBER: 619-843-9968	PROJECT FAX: 626-296-0200	LABORATORY ADDRESS: 437 N. CEDROS AVE		ADDRESS: 3990 OLD TOWN AVE # B104
PROJECT ADDRESS: 4300 OAK GLOVE DR	CITY, STATE AND ZIPCODE: PASADENA CA 91108	CLIENT: BATTELLE	CITY, STATE AND ZIPCODE: SOLANA BEACH CA 92075		CITY, STATE AND ZIPCODE: SAN DIEGO CA 92110
PROJECT MANAGER: ASHAR FAHEEM	PROJECT MANAGER'S PHONE: 909-396-7662	PROJECT MANAGER'S FAX: 909-396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses 8010/8020	Comments
1	SMW32-VPA-027	AIR	10/19/05	0732	NONE	1*	3	NORM	X	1* 60 cc SYRINGE
2	SMW32-VPB-028			0754					X	
3	SMW32-VPI-029			0816					X	
4	SMW32-VPJ-030			0838					X	
5	SMW27-VPA-031			0900					X	
6	SMW27-VPA-032 DUPLICATE			0902					X	DUPLICATE
7	SMW27-VPB-033			0946					X	
8	SMW27-VPC-034			1008					X	
9	SMW27-VPD-035			1030					X	
10	SMW27-VPF-036			1052					X	

SAMPLES COLLECTED BY:

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT:

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
		10-19-05	1245	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type G	C	F	QC
1) PROBE DEPTH 25'				
2) " " 40'				
3) " " 180'				
4) " " 195'				
5) " " 20'				
6) " " 20' DUPLICATE.				
7) " " 35'				
8) " " 60'				
9) " " 85'				
10) " " 120'				

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

GEOFON INCORPORATED

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON'S LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
			GF101705-L6		
PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
SPL					
PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS		ADDRESS
PROJECT ADDRESS	CITY, STATE AND ZIPCODE	CLIENT	CITY, STATE AND ZIPCODE		CITY, STATE AND ZIPCODE
PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses	Comments
1	SWL27-VP6-037		10/19/05	1200		1*	3		X	1* = SPL
2	SWL27-VP7-038			1215					X	
3	SWL27-VP7-039			1245					X	
4										
5										
6										
7										
8										
9										
10										

SAMPLES COLLECTED BY:

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
		10-19-05	1245	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type G	C	F	QC
1) PROBE DEPTH 140'				
2) " " 180'				
3) " " 205'				
4)				
5)				
6)				
7)				
8)				
9)				
10)				

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

GEOFON INCORPORATED
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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON's LAB COORDINATOR: MARCO MENDOZA	LAB COORDINATOR'S PHONE: 909-396-7662	LAB COORDINATOR'S FAX: 909-396-1455	
PROJECT NAME: SPL # 3	PROJECT LOCATION: [illegible] SVW SAMPLING	PROJECT NUMBER: [illegible]	
PROJECT CONTACT: DAVID COWHER	PROJECT PHONE NUMBER: 619-343-9868	PROJECT FAX: 626-29[illegible]	
PROJECT ADDRESS: 4500 [illegible] TD	CITY, STATE AND ZIPCODE: PASADENA CA 91108	CLIENT: BATTELLE	
PROJECT MANAGER: ASTRID SANCHEZ	PROJECT MANAGER'S PHONE: 909-396-7662	PROJECT MANAGER'S FAX: 909-396-1455	

LABORATORY SERVICE ID: GF101705-LG	LABORATORY CONTACT: MARK BURKE	MAIL REPORT (COMPANY NAME): BATTELLE
LABORATORY PHONE: 858-793-[illegible]	LABORATORY FAX: 858-793-[illegible]	RECIPIENT NAME: DAVID COWHER
LABORATORY ADDRESS: 537 N CEDROS AVE		ADDRESS: [illegible]
CITY, STATE AND ZIPCODE: SOLANA BEACH CA 92075		CITY, STATE AND ZIPCODE: SAN DIEGO CA [illegible]

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses: [illegible]								Comments
1	SVW11-VPB-010	AIR	10/20/05	0745	NONE	1*	3	[illegible]	X								1 L [illegible]
2	SVW9-VPA-041			0807					X								
3	SVW9-VPB-042 [redacted] T.M.			0830					X								
4	SVW9-VPB-043 DUPLICATE			0832					X								DUPLICATE.
5	SVW9-VPC-044			0916					X								
6	SVW9-VPD-045			0938					X								
7	SVW9-VPE-046			1000					X								
8	SVW10-VPB-047			1022					X								
9	SVW10-VPD-048			1044					X								
10	SVW[illegible]-VPC-049			1106					X								

SAMPLES COLLECTED BY: [signature]
COURIER AND AIR BILL NUMBER:
COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	10-20-05	1340	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section For Project Personnel Only Do Not Submit to Laboratory

Sample Point Location	G	C	F	QC
1) PROBE DEPTH 40'				
2) " " 20'				
3) " " 35'				
4) " " 35 (DUPLICATE)				
5) " " 50'				
6) " " 70'				
7) " " 87'				
8) " " 35'				
9) " " 69'				
10) " " 50'				

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

GEOFON INCORPORATED

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
[illegible]	[illegible]	909 396-1455	GF101705-L6	MARK BURNS	BATTELLE
PROJECT NAME: [illegible]	PROJECT LOCATION: [illegible]	PROJECT NUMBER: [illegible]3	LABORATORY PHONE: 858-793-0401	LABORATORY FAX: 858-793-04[illegible]	RECIPIENT NAME: DAVID CULLER
PROJECT CONTACT: DAVID [illegible]	PROJECT PHONE NUMBER: 614 843-9968	PROJECT FAX: [illegible]	LABORATORY ADDRESS: [illegible] N. CEDROS AVE		ADDRESS: 3990 OLD TOWN AV [illegible]
PROJECT ADDRESS: [illegible] DR.	CITY, STATE AND ZIPCODE: [illegible], CA 911[illegible]	CLIENT: BATTELLE	CITY, STATE AND ZIPCODE: SOLANA BEACH, CA 92075		CITY, STATE AND ZIPCODE: SAN DIEGO, CA 921[illegible]
PROJECT MANAGER: ASRAR FAHEEM[illegible]	PROJECT MANAGER'S PHONE: 909 396-7[illegible]	PROJECT MANAGER'S FAX: 909 396-1455			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T.	Analyses: [illegible]								Comments
1	SVW8-VPD-050	AIR	10/20/05	1228	[illegible]	1*	3	NORM	X								1* [illegible]
2	SVW8-VPE-051	|	|	1250	|	|	|	|	X								
3	SVW14-VPA-052	|	|	1312	|	|	|	|	X								
4	SVW14-VPB-053	|	|	1334	|	|	|	|	X								
5	SVW14-VPB-054 DUPLICATE	|	|	1336	|	|	|	|	X								DUPLICATE
6																	
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY: [signature]

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	10-20-05	1340	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section For Project Personnel Only Do Not Submit to Laboratory

Sample Point Location	G	C	F	QC
1) PROBE DEPTH 70'				
2) " " 90'				
3) " " 5'				
4) " " 10'				
5) " " 10' DUPLICATE.				
6)				
7)				
8)				
9)				
10)				

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

1 OF 2

GEOFON INCORPORATED
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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON's LAB COORDINATOR: [illegible]	LAB COORDINATOR'S PHONE: [illegible]	LAB COORDINATOR'S FAX: [illegible]	LABORATORY SERVICE ID: GF101705-26	LABORATORY CONTACT: Mark Burke	MAIL REPORT (COMPANY NAME): Battelle
PROJECT NAME: VPL #3	PROJECT LOCATION: [illegible]	PROJECT NUMBER: [illegible]	LABORATORY PHONE: 858-793-0401	LABORATORY FAX: 858-793-0404	RECIPIENT NAME: David [illegible]
PROJECT CONTACT: David [illegible]	PROJECT PHONE NUMBER: 619-[illegible]	PROJECT FAX: [illegible]	LABORATORY ADDRESS: [illegible]		ADDRESS: [illegible] #B104
PROJECT ADDRESS: [illegible] Dr	CITY, STATE AND ZIPCODE: [illegible] CA [illegible]	CLIENT: Battelle	CITY, STATE AND ZIPCODE: Solana Beach CA 92075		CITY, STATE AND ZIPCODE: San Diego CA 921[illegible]
PROJECT MANAGER: [illegible]	PROJECT MANAGER'S PHONE: [illegible]	PROJECT MANAGER'S FAX: [illegible]			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T	Analyses: [illegible]								Comments
1	SVW33-VPA-055	[illegible]	10/21/05	0642	[illegible]	1*	3	[illegible]	X								1* [illegible]
2	SVW33-VPB-056	|	|	0704	|	|	|	|	X								
3	SVW33-VPC-057	|	|	0726	|	|	|	|	X								
4	SVW33-VPD-058	|	|	0748	|	|	|	|	X								
5	SVW33-VPE-059	|	|	0810	|	|	|	|	X								
6	SVW33-VPF-060	|	|	0832	|	|	|	|	X								
7	SVW33-VPG-061	|	|	0854	|	|	|	|	X								
8	SVW33-VPJ-062	|	|	0916	|	|	|	|	X								
9	SVW36-VPA-063	|	|	0938	|	|	|	|	X								
10	SVW36-VPA-064 DUPLICATE	|	|	0940	|	|	|	|	X								DUPLICATE.

SAMPLES COLLECTED BY: [signature]

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	10-21-05	1230	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section For Project Personnel Only Do Not Submit to Laboratory

Sample Point Location	G	C	F	QC
1) PROBE DEPTH 20'				
2) " " 40'				
3) " " 60'				
4) " " 85'				
5) " " 105'				
6) " " 120'				
7) " " 140'				
8) " " 200'				
9) " " 20'				
10) " " 20' DUPLICATE				

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

GEOFON INCORPORATED

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
			GF101705-L66	MARK BAKE	
PROJECT NAME	**PROJECT LOCATION**	**PROJECT NUMBER**	**LABORATORY PHONE**	**LABORATORY FAX**	**RECIPIENT NAME**
PROJECT CONTACT	**PROJECT PHONE NUMBER**	**PROJECT FAX**	**LABORATORY ADDRESS**		**ADDRESS**
PROJECT ADDRESS	**CITY, STATE AND ZIPCODE**	**CLIENT**	**CITY, STATE AND ZIPCODE**		**CITY, STATE AND ZIPCODE**
PROJECT MANAGER	**PROJECT MANAGER'S PHONE**	**PROJECT MANAGER'S FAX**			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T	Analyses	Comments
1	SVW36-VPB-065	SOIL	10/21/05	1112	ICE	1*	3	NORM	X	1" SS VE
2	SVW36-VPC-066	"	"	1134	"	"	"	"	X	
3	SVW36-VPD-067	"	"	1156	"	"	"	"	X	
4	SVW36-VPE-068	"	"	1218	"	"	"	"	X	
5										
6										
7										
8										
9										
10										

SAMPLES COLLECTED BY: [signature]

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	10-21-05	1230	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type G	C	F	QC
1) PROBE DEPTH 35'				
2) " " 55'				
3) " " 75'				
4) " " 92'				
5)				
6)				
7)				
8)				
9)				
10)				

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

GEOFON INCORPORATED
22632 GOLDEN SPRINGS DR., SUITE 270
DIAMOND BAR, CA 91765 • (909) 396-7662 • FAX (909) 396-1455

CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
Marco Mendoza	909-396-7662	909-396-1455	GF101705-L6	Mark Burke	Battelle

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
SPI	Annual SVW Sampling	73803	858-793-0401	858-793-0404	David Cowger

PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS	ADDRESS
David Cowger	619-843-9468	626-296-0200	557 N. Cedros Ave	3% ... Ave #2104

PROJECT ADDRESS	CITY, STATE AND ZIPCODE	CLIENT	CITY, STATE AND ZIPCODE	CITY, STATE AND ZIPCODE
600 Oak Grove Dr.	Pasadena, CA 91108	Battelle	Solana Beach, CA 92075	San Diego, CA 921[illegible]

PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX
Omar Pallegi	909-396-7662	909-396-1455

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses 8010/8020								Comments
1	SVW28-VPA-069	AIR	10/24/95	723	NONE	1*	3	NORMAL	X								1* GAS SYRINGE
2	SVW28-VPC-070	|	|	745	|	|	|	|	X								
3	SVW28-VPD-071	|	|	807	|	|	|	|	X								
4	SVW28-VPE-072	|	|	829	|	|	|	|	X								
5	SVW25-VPA-073	|	|	~~857~~ 909	|	|	|	|	X								
6	SVW25-VPB-074	|	|	931	|	|	|	|	X								
7	SVW25-VPB-075 DUPLICATE	|	|	932	|	|	|	|	X								DUPLICATE
8	SVW25-VPD-076	|	|	1016	|	|	|	|	X								
9	SVW35-VPA-077	|	|	1046	|	|	|	|	X								
10	SVW35-VPB-078	|	|	1108	|	|	|	|	X								

SAMPLES COLLECTED BY: Marco Mendoza

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	10-24-95	1300	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	G	C	F	QC
1) PROBE DEPTH 20'	X		X	
2) " " 65'	X		X	
3) " " 80'	X		X	
4) " " 105	X		X	
5) " " 20'	X		X	
6) " " 40'	X		X	
7) " " 40' DUPLICATE	X		X	
8) PROBE DEPTH 85'	X		X	
9) " " 20'	X		X	
10) " " 35	X		X	

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
[illegible]	[illegible]-7662	[illegible]-1455	[illegible]-LG	[illegible]	BATTELLE

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
[illegible]	[illegible]	[illegible]	[illegible]	858-[illegible]	[illegible]

PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS	ADDRESS
[illegible]	[illegible]	626-[illegible]	[illegible]	[illegible]

PROJECT ADDRESS	CITY, STATE AND ZIPCODE	CLIENT	CITY, STATE AND ZIPCODE	CITY, STATE AND ZIPCODE
[illegible] DR	[illegible]	BATTELLE	[illegible]	SAN DIEGO, CA [illegible]

PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX
[illegible]	[illegible]	[illegible]-1455

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses	Comments
1	SVW35-VPE-079	[illegible]	[illegible]	1222	[illegible]	1*	3	[illegible]	X	1* [illegible]
2	SVW35-VPJ-[illegible]	/	/	1244	/	/	/	/	X	
3										
4										
5										
6										
7										
8										
9										
10										

SAMPLES COLLECTED BY: [illegible]

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	10-24-05	1300	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section For Project Personnel Only Do Not Submit to Laboratory

Sample Point Location	G	C	F	QC
1) PROBE DEPTH 50'	X		✓	
2) " " 155'	X		X	
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

GEOFON INCORPORATED

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
			GFU735-16		
PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS		ADDRESS
PROJECT ADDRESS	CITY, STATE AND ZIPCODE	CLIENT	CITY, STATE AND ZIPCODE		CITY, STATE AND ZIPCODE
PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX			

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T.	Analyses 8260/8270	Comments
1	SVW37-VP8-081	AIR	10/12/05	653		1*			X	
2	SVW37-VP7-082			715					X	
3	SVW37-VP6-083			737					X	
4	SVW37-VP5-084			759					X	
5	SVW37-VP4-085			821					X	
6	SVW37-VP3-086			843					X	
7	SVW37-VP2-087			905					X	
8	SVW19A-VP1-088			927					X	
9	SVW19A-VP1-089 DUPLICATE			928					X	
10	SVW38-VP1-090			1020					X	

SAMPLES COLLECTED BY:

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
		10/13/05	1330	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section
For Project Personnel Only
Do Not Submit to Laboratory

Sample Point Location	Sample Type G	C	F	QC
1) PROBE DEPTH 40'	X		X	
2) " " 80'	X		X	
3) " " 100'	X		X	
4) " " 140'	X		X	
5) " " 155'	X		X	
6) " " 170'	X		X	
7) " " 185'	X		X	
8) " " 60'	X		X	
9) " " 60' DUPLICATE	X		X	X
10) " " 25'	X		X	

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

2 OF 2

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON'S LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
MARIO MENDOZA	909-396-7662	909-396-1455	GF101705-16	MARK BURKE	BATTELLE

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
SPL 2	[illegible] SVE SAMPLING	G-7350	858-793-[illegible]	858-793-[illegible]	DAVID [illegible]

PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS	ADDRESS
DAVID CULLER	614-[illegible]-9968	614-291-[illegible]	437 N. CEDROS AVE	3991 [illegible] #B100

PROJECT ADDRESS	CITY, STATE AND ZIPCODE	CLIENT	CITY, STATE AND ZIPCODE	CITY, STATE AND ZIPCODE
4500 OAK RIDGE DR	[illegible] CA [illegible]	BATTELLE	SOLANA BEACH CA 92075	SAN DIEGO CA [illegible]

PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX
MARIO MENDOZA	909-396-7662	909-396-1455

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont	QC Level	T.A.T	Analyses: [illegible]								Comments
1	SVW38-VPD-091	AIR	10/14/04	1130	NONE	1*	3	[illegible]	X								1* [illegible]
2	SVW38-VPF-092	|	|	1152	|	|	|	|	X								
3	SVW38-VPJ-093	|	|	1214	|	|	|	|	X								
4	SVW34-VPD-094	|	|	1236	|	|	|	|	X								
5	SVW34-VPF-095	|	|	1258	|	|	|	|	X								
6	SVW34-VPF-096	|	|	1320	|	|	|	|	X								
7																	
8																	
9																	
10																	

SAMPLES COLLECTED BY: MARIO MENDOZA

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	10-15-04	1330	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section For Project Personnel Only Do Not Submit to Laboratory

Sample Point Location	G	C	F	QC
1) PROBE DEPTH 80'	X		X	
2) " " 110'	X		X	
3) " " 170'	X		X	
4) " " 65'	X		X	
5) " " 80'	X		X	
6) " " 95'	X		X	
7)				
8)				
9)				
10)				

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

GEOFON INCORPORATED

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CHAIN-OF-CUSTODY RECORD

PROJECT DATA MANAGER'S COPY

GEOFON's LAB COORDINATOR	LAB COORDINATOR'S PHONE	LAB COORDINATOR'S FAX	LABORATORY SERVICE ID	LABORATORY CONTACT	MAIL REPORT (COMPANY NAME)
[illegible]	909-396-7662	909-396-1455	GF101705-L6	MARK BURKE	BATTELLE

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER	LABORATORY PHONE	LABORATORY FAX	RECIPIENT NAME
SPL # 3	[illegible] SVW SAMPLING	4-7 3803	858-797-[illegible]	858-793-[illegible]	DAVID [illegible]

PROJECT CONTACT	PROJECT PHONE NUMBER	PROJECT FAX	LABORATORY ADDRESS	ADDRESS
DAVID [illegible]	619-843-99-8	626-396-0220	437A CEDROS AVE	3990 [illegible] AVE # B104

PROJECT ADDRESS	CITY, STATE AND ZIPCODE	CLIENT	CITY, STATE AND ZIPCODE	CITY, STATE AND ZIPCODE
[illegible] DR	PASADENA CA 91109	BATTELLE	SOLANA BEACH CA 92075	SAN DIEGO [illegible]

PROJECT MANAGER	PROJECT MANAGER'S PHONE	PROJECT MANAGER'S FAX
[illegible]	909-396-7662	909-396-1455

Item	Sample Identifier	Matrix	Date	Time	Preserved	# of Cont.	QC Level	T.A.T	Analyses 8260/S[illegible]							Comments
1	SVW15-VPB-097	AIR	10/26/05	710	NONE	1*	3	NORM	X							1* [illegible]
2	SVW15-VPB-098 DUPLICATE	|	|	711	|	|	|	|	X							DUPLICATE
3	SVW15-VPC-099			755					X							
4	SVW15-VPD-100			817					X							
5	SVW15-VPE-101			839					X							
6	SVW39-VPA-102			901					X							
7	SVW39-VPE-103			923					X							
8	SVW39-VPF-104			945					X							
9	SVW39-VPG-105			1007					X							
10	SVW39-VPI-106			1029					X							

SAMPLES COLLECTED BY: [signature]

COURIER AND AIR BILL NUMBER:

COOLER TEMPERATURE UPON RECEIPT

RELINQUISHED BY	RECEIVED BY	DATE	TIME	SAMPLE'S CONDITION UPON RECEIPT
[signature]	[signature]	1030	10/26/05	

Distribution: White - Laboratory (To be returned with Analytical Report); Goldenrod - Project File; Yellow - Project Data Manager

Project Information Section For Project Personnel Only Do Not Submit to Laboratory

Sample Point Location	G	C	F	QC
1) PROBE DEPTH 40'	X		✓	
2) " " 40' DUPLICATE	X		X	X
3) " " 60'	X		✓	
4) " " 75'	X		X	
5) " " 90'	X		X	
6) " " 20'	X		X	
7) " " 85'	X		X	
8) " " 100'	X		X	
9) " " 110'	X		X	
10) " " 130'	X		X	

Comments

Sample Type: G - Grab, C - Composite, F - Field Sample, QC - Quality Control Sample

APPENDIX B-3:

DAILY OPENING, CLOSING AND CONTINUING CALIBRATION VERIFICATION REPORTS

QA/QC CALIBRATION DATA

DATE: 02/03/05
SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-946
HP Labs Project #GF020305-L6
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-945
LAB-6
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	OPENING STANDARD			2ND SOURCE		
COMPOUND	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	50.9	1.8%	50	44.6	10.8%
CHLOROETHANE	50	47.8	4.4%	50	49.3	1.4%
CHLOROFORM	50	49.5	1.0%	50	50.5	1.0%
1,1-DICHLORO ETHANE	50	49.5	1.0%	50	52.1	4.2%
1,2-DICHLORO ETHANE	50	49.3	1.4%	50	53.4	6.8%
1,1-DICHLORO ETHENE	50	50.6	1.2%	50	51.9	3.8%
CIS-1,2-DICHLORO ETHENE	50	50.8	1.6%	50	51.7	3.4%
TRANS-1,2-DICHLORO ETHENE	50	48.7	2.6%	50	51.3	2.6%
DICHLOROMETHANE	50	45.6	8.8%	50	46.3	7.4%
TETRACHLORO ETHENE	50	51.7	3.4%	50	53.0	6.0%
1,1,1,2-TETRACHLORO ETHANE	50	50.2	0.4%	50	44.5	11.0%
1,1,2,2-TETRACHLORO ETHANE	50	46.8	6.4%	50	47.5	5.0%
1,1,1-TRICHLORO ETHANE	50	52.1	4.2%	50	48.2	3.6%
1,1,2-TRICHLORO ETHANE	50	49.3	1.4%	50	50.6	1.2%
TRICHLORO ETHENE	50	48.4	3.2%	50	51.4	2.8%
VINYL CHLORIDE	50	46.9	6.2%	50	47.4	5.2%
TRICHLOROFLUOROMETHANE (FR11)	50	48.8	2.4%	50	51.4	2.8%
DICHLORODIFLUOROMETHANE (FR12)	50	43.7	12.6%	50	48.2	3.6%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	45.4	9.2%	50	48.9	2.2%
BENZENE	50	49.6	0.8%	50	49.7	0.6%
CHLOROBENZENE	50	49.5	1.0%	50	50.6	1.2%
ETHYLBENZENE	50	48.6	2.8%	50	49.4	1.2%
TOLUENE	50	50.7	1.4%	50	49.0	2.0%
m&p-XYLENES	100	101	1.0%	100	102	2.0%
o-XYLENE	50	50.0	0.0%	50	49.7	0.6%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 02/03/05
HP Labs Project #GF020305-L6
Lab 6

MIDDAY CALIBRATION VERIFICATION
SUPPLY SOURCE: SUPELCO LOT #LSS-946
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	CONTINUING STANDARD MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	47.5	5.0%
CHLOROETHANE	50	52.5	5.0%
CHLOROFORM	50	51.1	2.2%
1,1-DICHLORO ETHANE	50	52.4	4.8%
1,2-DICHLORO ETHANE	50	55.1	10.2%
1,1-DICHLORO ETHENE	50	53.4	6.8%
CIS-1,2-DICHLORO ETHENE	50	53.4	6.8%
TRANS-1,2-DICHLORO ETHENE	50	51.7	3.4%
DICHLOROMETHANE	50	47.3	5.4%
TETRACHLORO ETHENE	50	51.6	3.2%
1,1,1,2-TETRACHLORO ETHANE	50	44.2	11.6%
1,1,2,2-TETRACHLORO ETHANE	50	45.8	8.4%
1,1,1-TRICHLORO ETHANE	50	51.0	2.0%
1,1,2-TRICHLORO ETHANE	50	50.3	0.6%
TRICHLORO ETHENE	50	51.6	3.2%
VINYL CHLORIDE	50	51.2	2.4%
TRICHLOROFLUOROMETHANE (FR11)	50	54.6	9.2%
DICHLORODIFLUOROMETHANE (FR12)	50	51.2	2.4%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	51.5	3.0%
BENZENE	50	50.9	1.8%
CHLOROBENZENE	50	50.8	1.6%
ETHYLBENZENE	50	52.2	4.4%
TOLUENE	50	51.4	2.8%
m&p-XYLENES	100	106	6.0%
o-XYLENE	50	51.6	3.2%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1667)
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

SOIL GAS INITIAL LCS STANDARD REPORT (CALIBRATION VERIFICATION)

LAB: Lab 6

SUPPLY SOURCE: SUPELCO LOT #LSS-945

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	CAL DATE	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	1/31/2005	50	46.4	7.2%
CHLOROETHANE	1/31/2005	50	50.7	-1.4%
CHLOROFORM	1/31/2005	50	50.7	-1.4%
1,1-DICHLORO ETHANE	1/31/2005	50	50.3	-0.6%
1,2-DICHLORO ETHANE	1/31/2005	50	49.2	1.6%
1,1-DICHLORO ETHENE	1/31/2005	50	45.2	9.6%
CIS-1,2-DICHLORO ETHENE	1/31/2005	50	53.5	-7.0%
TRANS-1,2-DICHLORO ETHENE	1/31/2005	50	47.4	5.2%
DICHLOROMETHANE	1/31/2005	50	45.1	9.8%
TETRACHLORO ETHENE	1/31/2005	50	49.7	0.6%
1,1,1,2-TETRACHLORO ETHANE	1/31/2005	50	47.5	5.0%
1,1,2,2-TETRACHLORO ETHANE	1/31/2005	50	48.4	3.2%
1,1,1-TRICHLORO ETHANE	1/31/2005	50	46.8	6.4%
1,1,2-TRICHLORO ETHANE	1/31/2005	50	51.8	-3.6%
TRICHLORO ETHENE	1/31/2005	50	50.4	-0.8%
VINYL CHLORIDE	1/31/2005	50	51.5	-3.0%
TRICHLOROFLUOROMETHANE (FR11)	1/31/2005	50	47.0	6.0%
DICHLORODIFLUOROMETHANE (FR12)	1/31/2005	50	53.9	-7.8%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	1/31/2005	50	43.6	12.8%
BENZENE	1/31/2005	50	50.1	-0.2%
ETHYLBENZENE	1/31/2005	50	52.7	-5.4%
TOLUENE	1/31/2005	50	52.7	-5.4%
m&p-XYLENES	1/31/2005	100	107	-6.7%
o-XYLENE	1/31/2005	50	54.8	-9.6%

ANALYSES PERFORMED IN CA DOHS MOBILE LABORATORY #2579

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

H&P Mobile Geochemistry

SOIL GAS INITIAL LCS STANDARD REPORT (CALIBRATION VERIFICATION)

LAB: Lab 6

SUPPLY SOURCE: SUPELCO LOT #LSS-972

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	CAL DATE	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	4/18/2005	50	49.8	0.4%
CHLOROETHANE	4/18/2005	50	50.2	-0.4%
CHLOROFORM	4/18/2005	50	48.5	3.0%
1,1-DICHLORO ETHANE	4/18/2005	50	49.8	0.4%
1,2-DICHLORO ETHANE	4/18/2005	50	48.6	2.8%
1,1-DICHLORO ETHENE	4/18/2005	50	51.8	-3.6%
CIS-1,2-DICHLORO ETHENE	4/18/2005	50	50.8	-1.6%
TRANS-1,2-DICHLORO ETHENE	4/18/2005	50	50.8	-1.6%
DICHLOROMETHANE	4/18/2005	50	49.7	0.6%
TETRACHLORO ETHENE	4/18/2005	50	49.1	1.8%
1,1,1,2-TETRACHLORO ETHANE	4/18/2005	50	47.1	5.8%
1,1,2,2-TETRACHLORO ETHANE	4/18/2005	50	50.0	0.0%
1,1,1-TRICHLORO ETHANE	4/18/2005	50	49.5	1.0%
1,1,2-TRICHLORO ETHANE	4/18/2005	50	48.8	2.4%
TRICHLORO ETHENE	4/18/2005	50	48.7	2.6%
VINYL CHLORIDE	4/18/2005	50	50.7	-1.4%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	4/18/2005	50	50.8	-1.6%
BENZENE	4/18/2005	50	51.3	-2.6%
ETHYLBENZENE	4/18/2005	50	50.6	-1.2%
TOLUENE	4/18/2005	50	51.3	-2.6%
m&p-XYLENES	4/18/2005	100	105	-5.0%
o-XYLENE	4/18/2005	50	51.0	-2.0%

ANALYSES PERFORMED IN CA DOHS MOBILE LABORATORY #2579

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 04/19/05
SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-971
H&P Project #GF041905-L6
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-972
LAB-6
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	OPENING STANDARD			2ND SOURCE		
COMPOUND	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	53.4	6.8%	50	44.5	11.0%
CHLOROETHANE	50	52.6	5.2%	50	43.8	12.4%
CHLOROFORM	50	49.7	0.6%	50	46.7	6.6%
1,1-DICHLORO ETHANE	50	51.7	3.4%	50	47.6	4.8%
1,2-DICHLORO ETHANE	50	45.6	8.8%	50	49.3	1.4%
1,1-DICHLORO ETHENE	50	52.3	4.6%	50	48.5	3.0%
CIS-1,2-DICHLORO ETHENE	50	51.9	3.8%	50	49.7	0.6%
TRANS-1,2-DICHLORO ETHENE	50	52.1	4.2%	50	48.4	3.2%
DICHLOROMETHANE	50	46.4	7.2%	50	46.7	6.6%
TETRACHLORO ETHENE	50	51.3	2.6%	50	47.4	5.2%
1,1,1,2-TETRACHLORO ETHANE	50	48.9	2.2%	50	46.5	7.0%
1,1,2,2-TETRACHLORO ETHANE	50	47.0	6.0%	50	46.5	7.0%
1,1,1-TRICHLORO ETHANE	50	50.4	0.8%	50	47.2	5.6%
1,1,2-TRICHLORO ETHANE	50	46.9	6.2%	50	49.1	1.8%
TRICHLORO ETHENE	50	49.8	0.4%	50	46.5	7.0%
VINYL CHLORIDE	50	52.6	5.2%	50	41.6	16.8%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	59.8	19.6%	50	52.9	5.8%
BENZENE	50	52.8	5.6%	50	48.5	3.0%
CHLOROBENZENE	50	49.4	1.2%	50	47.7	4.6%
ETHYLBENZENE	50	52.4	4.8%	50	48.0	4.0%
TOLUENE	50	53.3	6.6%	50	49.3	1.4%
m&p-XYLENES	100	110	10.0%	100	100	0.0%
o-XYLENE	50	53.4	6.8%	50	49.4	1.2%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

H&P Mobile Geochemistry

QA/QC CALIBRATION DATA

DATE: 04/19/05
H&P Project #GF041905-L6
Lab 6

MIDDAY CALIBRATION VERIFICATION
SUPPLY SOURCE: SUPELCO LOT #LSS-971
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	CONTINUING STANDARD MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	46.7	6.6%
CHLOROETHANE	50	50.5	1.0%
CHLOROFORM	50	50.8	1.6%
1,1-DICHLORO ETHANE	50	51.0	2.0%
1,2-DICHLORO ETHANE	50	50.9	1.8%
1,1-DICHLORO ETHENE	50	50.7	1.4%
CIS-1,2-DICHLORO ETHENE	50	53.1	6.2%
TRANS-1,2-DICHLORO ETHENE	50	50.2	0.4%
DICHLOROMETHANE	50	51.3	2.6%
TETRACHLORO ETHENE	50	48.7	2.6%
1,1,1,2-TETRACHLORO ETHANE	50	48.4	3.2%
1,1,2,2-TETRACHLORO ETHANE	50	47.8	4.4%
1,1,1-TRICHLORO ETHANE	50	49.8	0.4%
1,1,2-TRICHLORO ETHANE	50	50.7	1.4%
TRICHLORO ETHENE	50	50.0	0.0%
VINYL CHLORIDE	50	50.2	0.4%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	58.8	17.6%
BENZENE	50	52.6	5.2%
CHLOROBENZENE	50	49.7	0.6%
ETHYLBENZENE	50	49.8	0.4%
TOLUENE	50	53.1	6.2%
m&p-XYLENES	100	107	7.0%
o-XYLENE	50	53.1	6.2%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1667)
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 04/20/05
SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-971
H&P Project #GF041905-L6
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-972
LAB-6
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	OPENING STANDARD			2ND SOURCE		
COMPOUND	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	52.5	5.0%	50	52.8	5.6%
CHLOROETHANE	50	46.7	6.6%	50	47.9	4.2%
CHLOROFORM	50	49.7	0.6%	50	50.8	1.6%
1,1-DICHLORO ETHANE	50	50.5	1.0%	50	51.1	2.2%
1,2-DICHLORO ETHANE	50	48.8	2.4%	50	51.7	3.4%
1,1-DICHLORO ETHENE	50	52.4	4.8%	50	50.7	1.4%
CIS-1,2-DICHLORO ETHENE	50	51.3	2.6%	50	53.6	7.2%
TRANS-1,2-DICHLORO ETHENE	50	51.7	3.4%	50	51.7	3.4%
DICHLOROMETHANE	50	46.9	6.2%	50	47.9	4.2%
TETRACHLORO ETHENE	50	50.9	1.8%	50	52.0	4.0%
1,1,1,2-TETRACHLORO ETHANE	50	51.7	3.4%	50	49.1	1.8%
1,1,2,2-TETRACHLORO ETHANE	50	44.3	11.4%	50	47.8	4.4%
1,1,1-TRICHLORO ETHANE	50	51.8	3.6%	50	50.9	1.8%
1,1,2-TRICHLORO ETHANE	50	47.0	6.0%	50	52.0	4.0%
TRICHLORO ETHENE	50	50.3	0.6%	50	50.4	0.8%
VINYL CHLORIDE	50	42.6	14.8%	50	44.1	11.8%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	57.0	14.0%	50	58.1	16.2%
BENZENE	50	51.5	3.0%	50	52.4	4.8%
CHLOROBENZENE	50	48.4	3.2%	50	50.2	0.4%
ETHYLBENZENE	50	50.4	0.8%	50	50.8	1.6%
TOLUENE	50	52.3	4.6%	50	51.9	3.8%
m&p-XYLENES	100	108	8.0%	100	109	9.0%
o-XYLENE	50	52.5	5.0%	50	52.4	4.8%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

H&P Mobile Geochemistry

QA/QC CALIBRATION DATA

DATE: 04/20/05
H&P Project #GF041905-L6
Lab 6

MIDDAY CALIBRATION VERIFICATION
SUPPLY SOURCE: SUPELCO LOT #LSS-971
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	CONTINUING STANDARD MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	48.5	3.0%
CHLOROETHANE	50	46.8	6.4%
CHLOROFORM	50	50.0	0.0%
1,1-DICHLORO ETHANE	50	50.5	1.0%
1,2-DICHLORO ETHANE	50	51.9	3.8%
1,1-DICHLORO ETHENE	50	50.3	0.6%
CIS-1,2-DICHLORO ETHENE	50	50.7	1.4%
TRANS-1,2-DICHLORO ETHENE	50	51.4	2.8%
DICHLOROMETHANE	50	47.9	4.2%
TETRACHLORO ETHENE	50	51.2	2.4%
1,1,1,2-TETRACHLORO ETHANE	50	49.4	1.2%
1,1,2,2-TETRACHLORO ETHANE	50	48.9	2.2%
1,1,1-TRICHLORO ETHANE	50	49.1	1.8%
1,1,2-TRICHLORO ETHANE	50	51.7	3.4%
TRICHLORO ETHENE	50	49.7	0.6%
VINYL CHLORIDE	50	43.6	12.8%
TRICHLOROFLUOROMETHANE (FR11)	50	51.9	3.8%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	56.8	13.6%
BENZENE	50	51.6	3.2%
CHLOROBENZENE	50	49.4	1.2%
ETHYLBENZENE	50	50.6	1.2%
TOLUENE	50	51.3	2.6%
m&p-XYLENES	100	106	6.0%
o-XYLENE	50	53.0	6.0%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1667)
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

H&P Mobile Geochemistry

QA/QC CALIBRATION DATA

DATE: 04/21/05
SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-971
H&P Project #GF041905-L6
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-972
LAB-6
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	OPENING STANDARD			2ND SOURCE		
COMPOUND	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	49.8	0.4%	50	51.2	2.4%
CHLOROETHANE	50	49.0	2.0%	50	54.3	8.6%
CHLOROFORM	50	49.1	1.8%	50	52.3	4.6%
1,1-DICHLORO ETHANE	50	49.4	1.2%	50	51.8	3.6%
1,2-DICHLORO ETHANE	50	49.8	0.4%	50	55.6	11.2%
1,1-DICHLORO ETHENE	50	50.2	0.4%	50	53.3	6.6%
CIS-1,2-DICHLORO ETHENE	50	51.0	2.0%	50	54.0	8.0%
TRANS-1,2-DICHLORO ETHENE	50	50.1	0.2%	50	52.0	4.0%
DICHLOROMETHANE	50	47.3	5.4%	50	48.5	3.0%
TETRACHLORO ETHENE	50	48.1	3.8%	50	50.4	0.8%
1,1,1,2-TETRACHLORO ETHANE	50	48.9	2.2%	50	50.0	0.0%
1,1,2,2-TETRACHLORO ETHANE	50	44.8	10.4%	50	47.7	4.6%
1,1,1-TRICHLORO ETHANE	50	48.3	3.4%	50	50.8	1.6%
1,1,2-TRICHLORO ETHANE	50	47.9	4.2%	50	49.8	0.4%
TRICHLORO ETHENE	50	49.3	1.4%	50	50.9	1.8%
VINYL CHLORIDE	50	56.8	13.6%	50	61.5	23.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	57.9	15.8%	50	60.6	21.2%
BENZENE	50	49.3	1.4%	50	51.2	2.4%
CHLOROBENZENE	50	47.6	4.8%	50	49.3	1.4%
ETHYLBENZENE	50	48.5	3.0%	50	51.8	3.6%
TOLUENE	50	52.5	5.0%	50	53.1	6.2%
m&p-XYLENES	100	106	6.0%	100	109	9.0%
o-XYLENE	50	52.0	4.0%	50	53.9	7.8%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

H&P Mobile Geochemistry

QA/QC CALIBRATION DATA

DATE: 04/21/05 | MIDDAY CALIBRATION VERIFICATION
H&P Project #GF041905-L6 | SUPPLY SOURCE: SUPELCO LOT #LSS-971
Lab 6 | INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	CONTINUING STANDARD MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	50.6	1.2%
CHLOROETHANE	50	55.6	11.2%
CHLOROFORM	50	52.1	4.2%
1,1-DICHLORO ETHANE	50	52.8	5.6%
1,2-DICHLORO ETHANE	50	55.8	11.6%
1,1-DICHLORO ETHENE	50	52.8	5.6%
CIS-1,2-DICHLORO ETHENE	50	54.0	8.0%
TRANS-1,2-DICHLORO ETHENE	50	51.5	3.0%
DICHLOROMETHANE	50	48.1	3.8%
TETRACHLORO ETHENE	50	49.8	0.4%
1,1,1,2-TETRACHLORO ETHANE	50	50.2	0.4%
1,1,2,2-TETRACHLORO ETHANE	50	48.1	3.8%
1,1,1-TRICHLORO ETHANE	50	51.2	2.4%
1,1,2-TRICHLORO ETHANE	50	51.8	3.6%
TRICHLORO ETHENE	50	50.4	0.8%
VINYL CHLORIDE	50	61.5	23.0%
TRICHLOROFLUOROMETHANE (FR11)	50	62.0	24.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	61.7	23.4%
BENZENE	50	51.4	2.8%
CHLOROBENZENE	50	50.1	0.2%
ETHYLBENZENE	50	51.0	2.0%
TOLUENE	50	54.1	8.2%
m&p-XYLENES	100	110	10.0%
o-XYLENE	50	54.4	8.8%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1667)
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 04/22/05
SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-971
H&P Project #GF041905-L6
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-972
LAB-6
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	OPENING STANDARD			2ND SOURCE		
COMPOUND	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	57.5	15.0%	50	49.8	0.4%
CHLOROETHANE	50	53.0	6.0%	50	47.9	4.2%
CHLOROFORM	50	52.8	5.6%	50	50.6	1.2%
1,1-DICHLORO ETHANE	50	51.2	2.4%	50	48.9	2.2%
1,2-DICHLORO ETHANE	50	52.2	4.4%	50	54.1	8.2%
1,1-DICHLORO ETHENE	50	52.2	4.4%	50	47.9	4.2%
CIS-1,2-DICHLORO ETHENE	50	51.9	3.8%	50	51.2	2.4%
TRANS-1,2-DICHLORO ETHENE	50	50.2	0.4%	50	46.8	6.4%
DICHLOROMETHANE	50	44.3	11.4%	50	44.1	11.8%
TETRACHLORO ETHENE	50	50.1	0.2%	50	50.2	0.4%
1,1,1,2-TETRACHLORO ETHANE	50	52.9	5.8%	50	49.1	1.8%
1,1,2,2-TETRACHLORO ETHANE	50	40.2	19.6%	50	42.1	15.8%
1,1,1-TRICHLORO ETHANE	50	53.9	7.8%	50	48.8	2.4%
1,1,2-TRICHLORO ETHANE	50	46.9	6.2%	50	49.7	0.6%
TRICHLORO ETHENE	50	50.2	0.4%	50	47.3	5.4%
VINYL CHLORIDE	50	59.8	19.6%	50	52.9	5.8%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	60.8	21.6%	50	57.8	15.6%
BENZENE	50	50.4	0.8%	50	47.4	5.2%
CHLOROBENZENE	50	48.3	3.4%	50	47.8	4.4%
ETHYLBENZENE	50	50.5	1.0%	50	49.6	0.8%
TOLUENE	50	53.6	7.2%	50	50.3	0.6%
m&p-XYLENES	100	108	8.0%	100	105	5.0%
o-XYLENE	50	52.7	5.4%	50	53.8	7.6%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

H&P Mobile Geochemistry

QA/QC CALIBRATION DATA

DATE: 04/22/05
H&P Project #GF041905-L6
Lab 6

MIDDAY CALIBRATION VERIFICATION
SUPPLY SOURCE: SUPELCO LOT #LSS-971
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	CONTINUING STANDARD MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	53.2	6.4%
CHLOROETHANE	50	56.2	12.4%
CHLOROFORM	50	53.1	6.2%
1,1-DICHLORO ETHANE	50	52.4	4.8%
1,2-DICHLORO ETHANE	50	56.8	13.6%
1,1-DICHLORO ETHENE	50	53.2	6.4%
CIS-1,2-DICHLORO ETHENE	50	54.4	8.8%
TRANS-1,2-DICHLORO ETHENE	50	51.4	2.8%
DICHLOROMETHANE	50	46.7	6.6%
TETRACHLORO ETHENE	50	50.1	0.2%
1,1,1,2-TETRACHLORO ETHANE	50	47.9	4.2%
1,1,2,2-TETRACHLORO ETHANE	50	44.4	11.2%
1,1,1-TRICHLORO ETHANE	50	52.6	5.2%
1,1,2-TRICHLORO ETHANE	50	47.0	6.0%
TRICHLORO ETHENE	50	51.1	2.2%
VINYL CHLORIDE	50	60.8	21.6%
TRICHLOROFLUOROMETHANE (FR11)	50	59.5	19.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	59.7	19.4%
BENZENE	50	51.3	2.6%
CHLOROBENZENE	50	47.8	4.4%
ETHYLBENZENE	50	49.3	1.4%
TOLUENE	50	53.5	7.0%
m&p-XYLENES	100	105	5.0%
o-XYLENE	50	52.0	4.0%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1667)
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY

H&P

QA/QC CALIBRATION DATA

DATE: 07/12/05
SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) SUPELCO LOT #LSS-997

HP Labs Project #GF071205-L6
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-998

LAB-6
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	OPENING STANDARD			2ND SOURCE		
COMPOUND	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	56.5	13.0%	50	56.6	13.2%
CHLOROETHANE	50	54.2	8.4%	50	52.7	5.4%
CHLOROFORM	50	53.7	7.4%	50	55.3	10.6%
1,1-DICHLORO ETHANE	50	52.7	5.4%	50	52.1	4.2%
1,2-DICHLORO ETHANE	50	57.3	14.6%	50	57.0	14.0%
1,1-DICHLORO ETHENE	50	51.9	3.8%	50	49.0	2.0%
CIS-1,2-DICHLORO ETHENE	50	50.4	0.8%	50	50.4	0.9%
TRANS-1,2-DICHLORO ETHENE	50	49.6	0.8%	50	50.5	1.0%
DICHLOROMETHANE	50	48.9	2.2%	50	47.1	5.8%
TETRACHLORO ETHENE	50	51.9	3.8%	50	53.2	6.4%
1,1,1,2-TETRACHLORO ETHANE	50	50.0	0.0%	50	51.2	2.4%
1,1,2,2-TETRACHLORO ETHANE	50	44.6	10.8%	50	38.0	24.0%
1,1,1-TRICHLORO ETHANE	50	57.4	14.8%	50	59.5	19.0%
1,1,2-TRICHLORO ETHANE	50	48.6	2.8%	50	43.9	12.2%
TRICHLORO ETHENE	50	50.0	0.0%	50	53.4	6.8%
VINYL CHLORIDE	50	52.9	5.8%	50	51.2	2.4%
TRICHLOROFLUOROMETHANE (FR11)	50	59.7	19.4%	50	59.4	18.8%
DICHLORODIFLUOROMETHANE (FR12)	50	55.6	11.2%	50	53.3	6.6%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	51.7	3.4%	50	52.7	5.4%
BENZENE	50	47.5	5.0%	50	48.4	3.2%
CHLOROBENZENE	50	48.7	2.6%	50	48.1	3.8%
ETHYLBENZENE	50	45.7	8.6%	50	47.5	5.0%
TOLUENE	50	45.5	9.0%	50	45.7	8.6%
m&p-XYLENES	100	92.8	7.2%	100	93	7.2%
o-XYLENE	50	48.2	3.6%	50	46.8	6.4%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY

H&P

QA/QC CALIBRATION DATA

DATE: 07/12/05
HP Labs Project #GF071205-L6
Lab 6

MIDDAY CALIBRATION VERIFICATION
SUPPLY SOURCE: SUPELCO LOT #LSS-997
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	CONTINUING STANDARD		
COMPOUND	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	56.8	13.6%
CHLOROETHANE	50	56.2	12.4%
CHLOROFORM	50	55.2	10.4%
1,1-DICHLORO ETHANE	50	53.2	6.4%
1,2-DICHLORO ETHANE	50	58.3	16.6%
1,1-DICHLORO ETHENE	50	50.2	0.4%
CIS-1,2-DICHLORO ETHENE	50	52.0	4.0%
TRANS-1,2-DICHLORO ETHENE	50	50.0	0.0%
DICHLOROMETHANE	50	48.1	3.8%
TETRACHLORO ETHENE	50	53.3	6.6%
1,1,1,2-TETRACHLORO ETHANE	50	50.2	0.4%
1,1,2,2-TETRACHLORO ETHANE	50	42.0	16.0%
1,1,1-TRICHLORO ETHANE	50	57.7	15.4%
1,1,2-TRICHLORO ETHANE	50	47.7	4.6%
TRICHLORO ETHENE	50	52.0	4.0%
VINYL CHLORIDE	50	56.0	12.0%
TRICHLOROFLUOROMETHANE (FR11)	50	61.2	22.4%
DICHLORODIFLUOROMETHANE (FR12)	50	58.9	17.8%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	53.3	6.6%
BENZENE	50	48.9	2.2%
CHLOROBENZENE	50	49.3	1.4%
ETHYLBENZENE	50	48.2	3.6%
TOLUENE	50	48.5	3.0%
m&p-XYLENES	100	92	8.0%
o-XYLENE	50	48.3	3.4%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #1667)
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

MOBILE GEOCHEMISTRY

H&P

SOIL GAS INITIAL LCS STANDARD REPORT (CALIBRATION VERIFICATION)

LAB: Lab 6

SUPPLY SOURCE: SUPELCO LOT #LSS-998

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	CAL DATE	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	6/29/2005	50	45.4	9.2%
CHLOROETHANE	6/29/2005	50	50.8	-1.6%
CHLOROFORM	6/29/2005	50	45.2	9.6%
1,1-DICHLORO ETHANE	6/29/2005	50	48.0	4.0%
1,2-DICHLORO ETHANE	6/29/2005	50	42.5	15.0%
1,1-DICHLORO ETHENE	6/29/2005	50	52.2	-4.4%
CIS-1,2-DICHLORO ETHENE	6/29/2005	50	49.5	1.0%
TRANS-1,2-DICHLORO ETHENE	6/29/2005	50	50.0	0.0%
DICHLOROMETHANE	6/29/2005	50	48.1	3.8%
TETRACHLORO ETHENE	6/29/2005	50	54.5	-9.0%
1,1,1,2-TETRACHLORO ETHANE	6/29/2005	50	48.0	4.0%
1,1,2,2-TETRACHLORO ETHANE	6/29/2005	50	46.6	6.8%
1,1,1-TRICHLORO ETHANE	6/29/2005	50	46.9	6.2%
1,1,2-TRICHLORO ETHANE	6/29/2005	50	46.0	8.0%
TRICHLORO ETHENE	6/29/2005	50	48.5	3.0%
VINYL CHLORIDE	6/29/2005	50	50.7	-1.4%
TRICHLOROFLUOROMETHANE (FR11)	6/29/2005	50	45.2	9.6%
DICHLORODIFLUOROMETHANE (FR12)	6/29/2005	50	47.6	4.8%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	6/29/2005	50	48.1	3.8%
BENZENE	6/29/2005	50	49.4	1.2%
ETHYLBENZENE	6/29/2005	50	52.3	-4.6%
TOLUENE	6/29/2005	50	48.6	2.8%
m&p-XYLENES	6/29/2005	100	102	-2.0%
o-XYLENE	6/29/2005	50	52.1	-4.2%

ANALYSES PERFORMED IN CA DOHS MOBILE LABORATORY #2579

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 10/17/05
SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) ECS LOT #LSS-1024
H&P Project #GF101705-L6
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-1023
LAB-6
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	OPENING STANDARD			2ND SOURCE		
COMPOUND	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	56.7	13.4%	50	57.0	14.0%
CHLOROETHANE	50	51.5	3.0%	50	49.3	1.4%
CHLOROFORM	50	47.6	4.8%	50	47.9	4.2%
1,1-DICHLORO ETHANE	50	51.8	3.6%	50	50.1	0.2%
1,2-DICHLORO ETHANE	50	45.8	8.4%	50	48.2	3.6%
1,1-DICHLORO ETHENE	50	50.7	1.4%	50	50.2	0.4%
CIS-1,2-DICHLORO ETHENE	50	50.6	1.2%	50	49.5	1.0%
TRANS-1,2-DICHLORO ETHENE	50	52.5	5.0%	50	50.5	1.0%
DICHLOROMETHANE	50	51.8	3.6%	50	52.9	5.8%
TETRACHLORO ETHENE	50	50.3	0.6%	50	50.7	1.4%
1,1,1,2-TETRACHLORO ETHANE	50	57.3	14.6%	50	56.2	12.4%
1,1,2,2-TETRACHLORO ETHANE	50	47.1	5.8%	50	48.6	2.8%
1,1,1-TRICHLORO ETHANE	50	52.0	4.0%	50	49.3	1.4%
1,1,2-TRICHLORO ETHANE	50	46.1	7.8%	50	50.5	1.0%
TRICHLORO ETHENE	50	51.2	2.4%	50	49.5	1.0%
VINYL CHLORIDE	50	52.3	4.6%	50	46.4	7.2%
TRICHLOROFLUOROMETHANE (FR11)	50	46.7	6.6%	50	43.4	13.2%
DICHLORODIFLUOROMETHANE (FR12)	50	41.9	16.2%	50	39.7	20.6%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	52.6	5.2%	50	50.3	0.6%
BENZENE	50	53.7	7.4%	50	52.6	5.2%
CHLOROBENZENE	50	50.5	1.0%	50	50.6	1.2%
ETHYLBENZENE	50	51.8	3.6%	50	50.7	1.4%
TOLUENE	50	50.5	1.0%	50	50.2	0.4%
m&p-XYLENES	100	109	9.0%	100	106	6.0%
o-XYLENE	50	51.7	3.4%	50	52.6	5.2%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 10/17/05 | MIDDAY CALIBRATION VERIFICATION

H&P Project #GF101705-L6 | SUPPLY SOURCE: ECS LOT #LSS-1024

Lab 6 | INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	CONTINUING STANDARD		
COMPOUND	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	55.3	10.6%
CHLOROETHANE	50	49.1	1.8%
CHLOROFORM	50	48.4	3.2%
1,1-DICHLORO ETHANE	50	51.8	3.6%
1,2-DICHLORO ETHANE	50	50.3	0.6%
1,1-DICHLORO ETHENE	50	49.6	0.8%
CIS-1,2-DICHLORO ETHENE	50	51.7	3.4%
TRANS-1,2-DICHLORO ETHENE	50	51.1	2.2%
DICHLOROMETHANE	50	53.2	6.4%
TETRACHLORO ETHENE	50	52.2	4.5%
1,1,1,2-TETRACHLORO ETHANE	50	57.3	14.6%
1,1,2,2-TETRACHLORO ETHANE	50	49.3	1.4%
1,1,1-TRICHLORO ETHANE	50	50.6	1.2%
1,1,2-TRICHLORO ETHANE	50	52.8	5.6%
TRICHLORO ETHENE	50	51.4	2.8%
VINYL CHLORIDE	50	47.3	5.4%
TRICHLOROFLUOROMETHANE (FR11)	50	47.3	5.4%
DICHLORODIFLUOROMETHANE (FR12)	50	41.3	17.4%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	51.4	2.8%
BENZENE	50	53.4	6.8%
CHLOROBENZENE	50	51.9	3.8%
ETHYLBENZENE	50	52.7	5.4%
TOLUENE	50	51.0	2.0%
m&p-XYLENES	100	111	11.0%
o-XYLENE	50	53.3	6.6%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #2579)

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

SOIL GAS INITIAL LCS STANDARD REPORT (CALIBRATION VERIFICATION)

LAB: Lab 6

SUPPLY SOURCE: ECS LOT #LSS-998

INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	CAL DATE	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	8/29/2005	50	54.0	-8.0%
CHLOROETHANE	8/29/2005	50	51.8	-3.6%
CHLOROFORM	8/29/2005	50	48.3	3.4%
1,1-DICHLORO ETHANE	8/29/2005	50	51.5	-3.0%
1,2-DICHLORO ETHANE	8/29/2005	50	50.4	-0.8%
1,1-DICHLORO ETHENE	8/29/2005	50	54.2	-8.4%
CIS-1,2-DICHLORO ETHENE	8/29/2005	50	52.6	-5.2%
TRANS-1,2-DICHLORO ETHENE	8/29/2005	50	53.7	-7.4%
DICHLOROMETHANE	8/29/2005	50	52.8	-5.6%
TETRACHLORO ETHENE	8/29/2005	50	52.8	-5.6%
1,1,1,2-TETRACHLORO ETHANE	8/29/2005	50	52.0	-4.0%
1,1,2,2-TETRACHLORO ETHANE	8/29/2005	50	56.4	-12.8%
1,1,1-TRICHLORO ETHANE	8/29/2005	50	52.3	-4.6%
1,1,2-TRICHLORO ETHANE	8/29/2005	50	52.6	-5.2%
TRICHLORO ETHENE	8/29/2005	50	51.3	-2.6%
VINYL CHLORIDE	8/29/2005	50	50.4	-0.8%
TRICHLOROFLUOROMETHANE (FR11)	8/29/2005	50	50.0	0.0%
DICHLORODIFLUOROMETHANE (FR12)	8/29/2005	50	50.4	-0.8%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	8/29/2005	50	56.9	-13.8%
BENZENE	8/29/2005	50	53.3	-6.6%
ETHYLBENZENE	8/29/2005	50	55.7	-11.4%
TOLUENE	8/29/2005	50	51.9	-3.8%
m&p-XYLENES	8/29/2005	100	116	-16.0%
o-XYLENE	8/29/2005	50	56.1	-12.2%

ANALYSES PERFORMED IN CA DOHS MOBILE LABORATORY #2579

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 10/18/05
SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) ECS LOT #LSS-1024
H&P Project #GF101705-L6
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-1023
LAB-6
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	OPENING STANDARD			2ND SOURCE		
COMPOUND	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	55.4	10.8%	50	52.4	4.8%
CHLOROETHANE	50	52.0	4.0%	50	48.7	2.6%
CHLOROFORM	50	45.6	8.8%	50	48.2	3.6%
1,1-DICHLORO ETHANE	50	51.4	2.8%	50	50.3	0.6%
1,2-DICHLORO ETHANE	50	45.1	9.8%	50	48.6	2.8%
1,1-DICHLORO ETHENE	50	48.7	2.6%	50	46.6	6.8%
CIS-1,2-DICHLORO ETHENE	50	50.9	1.8%	50	51.3	2.6%
TRANS-1,2-DICHLORO ETHENE	50	51.1	2.2%	50	50.5	1.0%
DICHLOROMETHANE	50	50.6	1.2%	50	53.1	6.2%
TETRACHLORO ETHENE	50	51.2	2.4%	50	50.1	0.2%
1,1,1,2-TETRACHLORO ETHANE	50	55.6	11.2%	50	57.0	14.0%
1,1,2,2-TETRACHLORO ETHANE	50	48.1	3.8%	50	50.0	0.0%
1,1,1-TRICHLORO ETHANE	50	50.9	1.8%	50	49.8	0.4%
1,1,2-TRICHLORO ETHANE	50	45.4	9.2%	50	49.3	1.4%
TRICHLORO ETHENE	50	49.1	1.8%	50	48.8	2.4%
VINYL CHLORIDE	50	54.2	8.4%	50	44.1	11.8%
TRICHLOROFLUOROMETHANE (FR11)	50	46.5	7.0%	50	46.3	7.4%
DICHLORODIFLUOROMETHANE (FR12)	50	41.2	17.6%	50	39.1	21.8%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	53.6	7.2%	50	49.7	0.6%
BENZENE	50	51.2	2.4%	50	51.6	3.2%
CHLOROBENZENE	50	50.7	1.4%	50	52.7	5.4%
ETHYLBENZENE	50	51.3	2.6%	50	51.9	3.8%
TOLUENE	50	49.1	1.8%	50	51.5	3.0%
m&p-XYLENES	100	107	7.0%	100	108	8.0%
o-XYLENE	50	51.3	2.6%	50	52.2	4.4%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 10/18/05 | MIDDAY CALIBRATION VERIFICATION
H&P Project #GF101705-L6 | SUPPLY SOURCE: ECS LOT #LSS-1024
Lab 6 | INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

COMPOUND	CONTINUING STANDARD MASS	CONTINUING STANDARD RESULT	%DIFF
CARBON TETRACHLORIDE	50	57.6	15.2%
CHLOROETHANE	50	48.9	2.2%
CHLOROFORM	50	50.1	0.2%
1,1-DICHLORO ETHANE	50	53.6	7.2%
1,2-DICHLORO ETHANE	50	51.7	3.4%
1,1-DICHLORO ETHENE	50	50.2	0.4%
CIS-1,2-DICHLORO ETHENE	50	54.0	8.0%
TRANS-1,2-DICHLORO ETHENE	50	52.8	5.6%
DICHLOROMETHANE	50	54.9	9.8%
TETRACHLORO ETHENE	50	51.8	3.6%
1,1,1,2-TETRACHLORO ETHANE	50	59.4	18.8%
1,1,2,2-TETRACHLORO ETHANE	50	53.0	6.0%
1,1,1-TRICHLORO ETHANE	50	51.8	3.6%
1,1,2-TRICHLORO ETHANE	50	54.9	9.8%
TRICHLORO ETHENE	50	51.8	3.6%
VINYL CHLORIDE	50	49.5	1.0%
TRICHLOROFLUOROMETHANE (FR11)	50	48.0	4.0%
DICHLORODIFLUOROMETHANE (FR12)	50	42.0	16.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	51.6	3.2%
BENZENE	50	55.2	10.4%
CHLOROBENZENE	50	53.6	7.2%
ETHYLBENZENE	50	54.8	9.6%
TOLUENE	50	53.0	6.0%
m&p-XYLENES	100	109	9.0%
o-XYLENE	50	53.5	7.0%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #2579)
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 10/19/05
SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) ECS LOT #LSS-1024
H&P Project #GF101705-L6
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-1023
LAB-6
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	OPENING STANDARD			2ND SOURCE		
COMPOUND	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	54.9	9.8%	50	57.5	15.0%
CHLOROETHANE	50	52.0	4.0%	50	48.4	3.2%
CHLOROFORM	50	46.5	7.0%	50	49.1	1.8%
1,1-DICHLORO ETHANE	50	51.3	2.6%	50	52.5	5.0%
1,2-DICHLORO ETHANE	50	44.8	10.4%	50	47.7	4.6%
1,1-DICHLORO ETHENE	50	50.2	0.4%	50	48.8	2.4%
CIS-1,2-DICHLORO ETHENE	50	48.9	2.2%	50	50.6	1.2%
TRANS-1,2-DICHLORO ETHENE	50	50.7	1.4%	50	50.6	1.2%
DICHLOROMETHANE	50	49.9	0.2%	50	51.7	3.4%
TETRACHLORO ETHENE	50	50.1	0.2%	50	51.4	2.8%
1,1,1,2-TETRACHLORO ETHANE	50	56.1	12.2%	50	57.7	15.4%
1,1,2,2-TETRACHLORO ETHANE	50	43.5	13.0%	50	46.7	6.6%
1,1,1-TRICHLORO ETHANE	50	50.2	0.4%	50	51.0	2.0%
1,1,2-TRICHLORO ETHANE	50	45.7	8.6%	50	49.3	1.4%
TRICHLORO ETHENE	50	47.9	4.2%	50	49.9	0.2%
VINYL CHLORIDE	50	53.1	6.2%	50	49.6	0.8%
TRICHLOROFLUOROMETHANE (FR11)	50	46.7	6.6%	50	46.5	7.0%
DICHLORODIFLUOROMETHANE (FR12)	50	42.1	15.8%	50	39.6	20.8%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	51.9	3.8%	50	53.5	7.0%
BENZENE	50	52.2	4.4%	50	52.8	5.6%
CHLOROBENZENE	50	49.8	0.4%	50	51.1	2.2%
ETHYLBENZENE	50	50.1	0.2%	50	51.4	2.8%
TOLUENE	50	49.1	1.8%	50	49.4	1.2%
m&p-XYLENES	100	103	3.0%	100	108	8.0%
o-XYLENE	50	48.9	2.2%	50	51.5	3.0%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 10/19/05 | MIDDAY CALIBRATION VERIFICATION

H&P Project #GF101705-L6 | SUPPLY SOURCE: ECS LOT #LSS-1024

Lab 6 | INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	CONTINUING STANDARD		
COMPOUND	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	53.0	6.0%
CHLOROETHANE	50	47.4	5.2%
CHLOROFORM	50	47.9	4.2%
1,1-DICHLORO ETHANE	50	49.6	0.8%
1,2-DICHLORO ETHANE	50	49.0	2.0%
1,1-DICHLORO ETHENE	50	46.6	6.8%
CIS-1,2-DICHLORO ETHENE	50	49.6	0.8%
TRANS-1,2-DICHLORO ETHENE	50	48.6	2.8%
DICHLOROMETHANE	50	52.2	4.4%
TETRACHLORO ETHENE	50	48.9	2.2%
1,1,1,2-TETRACHLORO ETHANE	50	56.2	12.4%
1,1,2,2-TETRACHLORO ETHANE	50	49.3	1.4%
1,1,1-TRICHLORO ETHANE	50	47.5	5.0%
1,1,2-TRICHLORO ETHANE	50	51.8	3.6%
TRICHLORO ETHENE	50	47.4	5.2%
VINYL CHLORIDE	50	44.7	10.6%
TRICHLOROFLUOROMETHANE (FR11)	50	45.1	9.8%
DICHLORODIFLUOROMETHANE (FR12)	50	37.7	24.6%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	47.4	5.2%
BENZENE	50	51.7	3.4%
CHLOROBENZENE	50	51.5	3.0%
ETHYLBENZENE	50	50.1	0.2%
TOLUENE	50	48.5	3.0%
m&p-XYLENES	100	106	6.0%
o-XYLENE	50	50.5	1.0%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #2579)

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 10/20/05
SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) ECS LOT #LSS-1024
H&P Project #GF101705-L6
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-1023
LAB-6
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	OPENING STANDARD			2ND SOURCE		
COMPOUND	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	57.1	14.2%	50	54.8	9.6%
CHLOROETHANE	50	51.1	2.2%	50	51.6	3.2%
CHLOROFORM	50	46.6	6.8%	50	49.3	1.4%
1,1-DICHLORO ETHANE	50	51.6	3.2%	50	51.2	2.4%
1,2-DICHLORO ETHANE	50	45.5	9.0%	50	49.8	0.4%
1,1-DICHLORO ETHENE	50	49.8	0.4%	50	47.9	4.2%
CIS-1,2-DICHLORO ETHENE	50	49.6	0.8%	50	51.1	2.2%
TRANS-1,2-DICHLORO ETHENE	50	51.7	3.4%	50	51.2	2.4%
DICHLOROMETHANE	50	51.0	2.0%	50	54.3	8.6%
TETRACHLORO ETHENE	50	51.2	2.4%	50	49.3	1.4%
1,1,1,2-TETRACHLORO ETHANE	50	57.4	14.8%	50	56.0	12.0%
1,1,2,2-TETRACHLORO ETHANE	50	43.2	13.6%	50	51.0	2.0%
1,1,1-TRICHLORO ETHANE	50	51.1	2.2%	50	49.4	1.2%
1,1,2-TRICHLORO ETHANE	50	45.4	9.2%	50	52.1	4.2%
TRICHLORO ETHENE	50	48.6	2.8%	50	49.5	1.0%
VINYL CHLORIDE	50	51.7	3.4%	50	50.2	0.4%
TRICHLOROFLUOROMETHANE (FR11)	50	49.3	1.4%	50	48.2	3.6%
DICHLORODIFLUOROMETHANE (FR12)	50	42.4	15.2%	50	40.2	19.6%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	54.9	9.8%	50	52.6	5.2%
BENZENE	50	51.9	3.8%	50	52.5	5.0%
CHLOROBENZENE	50	50.2	0.4%	50	50.7	1.4%
ETHYLBENZENE	50	51.9	3.8%	50	49.4	1.2%
TOLUENE	50	48.9	2.2%	50	52.4	4.8%
m&p-XYLENES	100	108	8.0%	100	104	4.0%
o-XYLENE	50	51.3	2.6%	50	50.2	0.4%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 10/20/05 | MIDDAY CALIBRATION VERIFICATION

H&P Project #GF101705-L6 | SUPPLY SOURCE: ECS LOT #LSS-1024

Lab 6 | INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	CONTINUING STANDARD		
COMPOUND	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	54.2	8.4%
CHLOROETHANE	50	49.3	1.4%
CHLOROFORM	50	47.8	4.4%
1,1-DICHLORO ETHANE	50	48.8	2.4%
1,2-DICHLORO ETHANE	50	48.5	3.0%
1,1-DICHLORO ETHENE	50	46.7	6.6%
CIS-1,2-DICHLORO ETHENE	50	50.1	0.2%
TRANS-1,2-DICHLORO ETHENE	50	48.5	3.0%
DICHLOROMETHANE	50	50.3	0.6%
TETRACHLORO ETHENE	50	49.5	1.0%
1,1,1,2-TETRACHLORO ETHANE	50	55.9	11.8%
1,1,2,2-TETRACHLORO ETHANE	50	47.2	5.6%
1,1,1-TRICHLORO ETHANE	50	49.1	1.8%
1,1,2-TRICHLORO ETHANE	50	49.5	1.0%
TRICHLORO ETHENE	50	48.4	3.2%
VINYL CHLORIDE	50	46.6	6.8%
TRICHLOROFLUOROMETHANE (FR11)	50	46.4	7.2%
DICHLORODIFLUOROMETHANE (FR12)	50	37.5	25.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	48.4	3.2%
BENZENE	50	50.4	0.8%
CHLOROBENZENE	50	50.7	1.4%
ETHYLBENZENE	50	50.8	1.6%
TOLUENE	50	47.9	4.2%
m&p-XYLENES	100	105	5.0%
o-XYLENE	50	51.4	2.8%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #2579)

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 10/21/05
SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) ECS LOT #LSS-1024
H&P Project #GF101705-L6
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-1023
LAB-6
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	OPENING STANDARD			2ND SOURCE		
COMPOUND	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	56.9	13.8%	50	54.9	9.8%
CHLOROETHANE	50	50.1	0.2%	50	46.3	7.4%
CHLOROFORM	50	48.5	3.0%	50	49.5	1.0%
1,1-DICHLORO ETHANE	50	52.3	4.6%	50	50.4	0.8%
1,2-DICHLORO ETHANE	50	50.0	0.0%	50	49.0	2.0%
1,1-DICHLORO ETHENE	50	49.6	0.8%	50	46.2	7.6%
CIS-1,2-DICHLORO ETHENE	50	50.3	0.6%	50	51.3	2.6%
TRANS-1,2-DICHLORO ETHENE	50	51.2	2.4%	50	49.7	0.6%
DICHLOROMETHANE	50	52.7	5.4%	50	51.7	3.4%
TETRACHLORO ETHENE	50	49.4	1.2%	50	47.8	4.4%
1,1,1,2-TETRACHLORO ETHANE	50	55.2	10.4%	50	57.7	15.4%
1,1,2,2-TETRACHLORO ETHANE	50	52.9	5.8%	50	44.6	10.8%
1,1,1-TRICHLORO ETHANE	50	51.1	2.2%	50	50.9	1.8%
1,1,2-TRICHLORO ETHANE	50	49.6	0.8%	50	50.0	0.0%
TRICHLORO ETHENE	50	48.1	3.8%	50	48.6	2.8%
VINYL CHLORIDE	50	48.6	2.8%	50	45.7	8.6%
TRICHLOROFLUOROMETHANE (FR11)	50	47.6	4.8%	50	47.3	5.4%
DICHLORODIFLUOROMETHANE (FR12)	50	42.3	15.4%	50	37.9	24.2%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	50.9	1.8%	50	49.6	0.8%
BENZENE	50	52.1	4.2%	50	51.8	3.6%
CHLOROBENZENE	50	51.4	2.8%	50	50.6	1.2%
ETHYLBENZENE	50	51.2	2.4%	50	50.3	0.6%
TOLUENE	50	49.0	2.0%	50	50.7	1.4%
m&p-XYLENES	100	105	5.0%	100	105	5.0%
o-XYLENE	50	50.4	0.8%	50	50.0	0.0%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 10/21/05 | MIDDAY CALIBRATION VERIFICATION

H&P Project #GF101705-L6 | SUPPLY SOURCE: ECS LOT #LSS-1024

Lab 6 | INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	CONTINUING STANDARD		
COMPOUND	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	55.2	10.4%
CHLOROETHANE	50	47.9	4.2%
CHLOROFORM	50	48.2	3.6%
1,1-DICHLORO ETHANE	50	50.1	0.2%
1,2-DICHLORO ETHANE	50	50.8	1.6%
1,1-DICHLORO ETHENE	50	47.1	5.8%
CIS-1,2-DICHLORO ETHENE	50	50.4	0.8%
TRANS-1,2-DICHLORO ETHENE	50	50.0	0.0%
DICHLOROMETHANE	50	52.8	5.6%
TETRACHLORO ETHENE	50	49.4	1.2%
1,1,1,2-TETRACHLORO ETHANE	50	56.6	13.2%
1,1,2,2-TETRACHLORO ETHANE	50	51.1	2.2%
1,1,1-TRICHLORO ETHANE	50	49.1	1.8%
1,1,2-TRICHLORO ETHANE	50	52.9	5.8%
TRICHLORO ETHENE	50	48.2	3.6%
VINYL CHLORIDE	50	44.9	10.2%
TRICHLOROFLUOROMETHANE (FR11)	50	48.0	4.0%
DICHLORODIFLUOROMETHANE (FR12)	50	39.9	20.2%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	49.8	0.4%
BENZENE	50	51.3	2.6%
CHLOROBENZENE	50	51.7	3.4%
ETHYLBENZENE	50	50.4	0.8%
TOLUENE	50	50.3	0.6%
m&p-XYLENES	100	107	7.0%
o-XYLENE	50	51.6	3.2%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #2579)

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 10/24/05
SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) ECS LOT #LSS-1028
H&P Project #GF101705-L6
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-1023
LAB-6
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	OPENING STANDARD			2ND SOURCE		
COMPOUND	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	56.7	13.4%	50	56.8	13.6%
CHLOROETHANE	50	51.9	3.8%	50	48.2	3.6%
CHLOROFORM	50	49.8	0.4%	50	49.4	1.2%
1,1-DICHLORO ETHANE	50	52.9	5.8%	50	51.1	2.2%
1,2-DICHLORO ETHANE	50	52.9	5.8%	50	51.2	2.4%
1,1-DICHLORO ETHENE	50	51.0	2.0%	50	47.5	5.0%
CIS-1,2-DICHLORO ETHENE	50	51.2	2.4%	50	51.1	2.2%
TRANS-1,2-DICHLORO ETHENE	50	53.1	6.2%	50	49.2	1.6%
DICHLOROMETHANE	50	52.5	5.0%	50	50.9	1.8%
TETRACHLORO ETHENE	50	50.1	0.2%	50	52.1	4.2%
1,1,1,2-TETRACHLORO ETHANE	50	57.4	14.8%	50	59.8	19.6%
1,1,2,2-TETRACHLORO ETHANE	50	50.5	1.0%	50	53.0	6.0%
1,1,1-TRICHLORO ETHANE	50	53.2	6.4%	50	50.9	1.8%
1,1,2-TRICHLORO ETHANE	50	52.3	4.6%	50	51.6	3.2%
TRICHLORO ETHENE	50	48.4	3.2%	50	50.4	0.8%
VINYL CHLORIDE	50	50.6	1.2%	50	47.6	4.8%
TRICHLOROFLUOROMETHANE (FR11)	50	50.6	1.2%	50	50.8	1.6%
DICHLORODIFLUOROMETHANE (FR12)	50	42.3	15.4%	50	40.4	19.2%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	55.3	10.6%	50	51.0	2.0%
BENZENE	50	51.0	2.0%	50	53.6	7.2%
CHLOROBENZENE	50	51.2	2.4%	50	52.3	4.6%
ETHYLBENZENE	50	51.3	2.6%	50	51.2	2.4%
TOLUENE	50	50.4	0.8%	50	51.4	2.8%
m&p-XYLENES	100	106	6.0%	100	108	8.0%
o-XYLENE	50	52.1	4.2%	50	52.8	5.6%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 10/24/05 | MIDDAY CALIBRATION VERIFICATION

H&P Project #GF101705-L6 | SUPPLY SOURCE: ECS LOT #LSS-1028

Lab 6 | INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	CONTINUING STANDARD		
COMPOUND	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	58.0	16.0%
CHLOROETHANE	50	47.7	4.6%
CHLOROFORM	50	47.7	4.6%
1,1-DICHLORO ETHANE	50	49.9	0.2%
1,2-DICHLORO ETHANE	50	50.5	1.0%
1,1-DICHLORO ETHENE	50	47.5	5.0%
CIS-1,2-DICHLORO ETHENE	50	50.5	1.0%
TRANS-1,2-DICHLORO ETHENE	50	49.8	0.4%
DICHLOROMETHANE	50	51.3	2.6%
TETRACHLORO ETHENE	50	52.8	5.6%
1,1,1,2-TETRACHLORO ETHANE	50	57.6	15.2%
1,1,2,2-TETRACHLORO ETHANE	50	48.6	2.8%
1,1,1-TRICHLORO ETHANE	50	50.6	1.2%
1,1,2-TRICHLORO ETHANE	50	50.5	1.0%
TRICHLORO ETHENE	50	48.0	4.0%
VINYL CHLORIDE	50	47.9	4.2%
TRICHLOROFLUOROMETHANE (FR11)	50	49.6	0.8%
DICHLORODIFLUOROMETHANE (FR12)	50	40.7	18.6%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	51.2	2.4%
BENZENE	50	50.8	1.6%
CHLOROBENZENE	50	50.6	1.2%
ETHYLBENZENE	50	51.6	3.2%
TOLUENE	50	48.0	4.0%
m&p-XYLENES	100	108	8.0%
o-XYLENE	50	52.2	4.4%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #2579)

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 10/25/05
SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) ECS LOT #LSS-1028
H&P Project #GF101705-L6
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-1023
LAB-6
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	OPENING STANDARD			2ND SOURCE		
COMPOUND	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	56.5	13.0%	50	55.1	10.2%
CHLOROETHANE	50	51.6	3.2%	50	47.9	4.2%
CHLOROFORM	50	47.7	4.6%	50	48.1	3.8%
1,1-DICHLORO ETHANE	50	50.8	1.6%	50	49.8	0.4%
1,2-DICHLORO ETHANE	50	49.0	2.0%	50	50.1	0.2%
1,1-DICHLORO ETHENE	50	48.5	3.0%	50	47.1	5.8%
CIS-1,2-DICHLORO ETHENE	50	49.9	0.2%	50	49.9	0.2%
TRANS-1,2-DICHLORO ETHENE	50	50.1	0.2%	50	49.6	0.8%
DICHLOROMETHANE	50	51.6	3.2%	50	52.4	4.8%
TETRACHLORO ETHENE	50	50.0	0.0%	50	50.8	1.6%
1,1,1,2-TETRACHLORO ETHANE	50	57.1	14.2%	50	56.0	12.0%
1,1,2,2-TETRACHLORO ETHANE	50	47.1	5.8%	50	47.4	5.2%
1,1,1-TRICHLORO ETHANE	50	50.7	1.4%	50	48.2	3.6%
1,1,2-TRICHLORO ETHANE	50	47.3	5.4%	50	47.9	4.2%
TRICHLORO ETHENE	50	48.3	3.4%	50	47.9	4.2%
VINYL CHLORIDE	50	50.3	0.6%	50	44.5	11.0%
TRICHLOROFLUOROMETHANE (FR11)	50	50.8	1.6%	50	48.6	2.8%
DICHLORODIFLUOROMETHANE (FR12)	50	41.8	16.4%	50	38.5	23.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	54.3	8.6%	50	51.2	2.4%
BENZENE	50	50.6	1.2%	50	51.0	2.0%
CHLOROBENZENE	50	49.9	0.2%	50	50.7	1.4%
ETHYLBENZENE	50	50.2	0.4%	50	51.0	2.0%
TOLUENE	50	48.3	3.4%	50	49.8	0.4%
m&p-XYLENES	100	104	4.0%	100	106	6.0%
o-XYLENE	50	50.5	1.0%	50	51.1	2.2%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 10/25/05 | MIDDAY CALIBRATION VERIFICATION

H&P Project #GF101705-L6 | SUPPLY SOURCE: ECS LOT #LSS-1028

Lab 6 | INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	CONTINUING STANDARD		
COMPOUND	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	56.4	12.8%
CHLOROETHANE	50	51.7	3.4%
CHLOROFORM	50	52.3	4.6%
1,1-DICHLORO ETHANE	50	53.7	7.4%
1,2-DICHLORO ETHANE	50	55.7	11.4%
1,1-DICHLORO ETHENE	50	51.1	2.2%
CIS-1,2-DICHLORO ETHENE	50	53.5	7.0%
TRANS-1,2-DICHLORO ETHENE	50	51.7	3.4%
DICHLOROMETHANE	50	54.9	9.8%
TETRACHLORO ETHENE	50	53.6	7.2%
1,1,1,2-TETRACHLORO ETHANE	50	59.5	19.0%
1,1,2,2-TETRACHLORO ETHANE	50	50.8	1.6%
1,1,1-TRICHLORO ETHANE	50	54.0	8.0%
1,1,2-TRICHLORO ETHANE	50	52.2	4.4%
TRICHLORO ETHENE	50	52.3	4.6%
VINYL CHLORIDE	50	52.4	4.8%
TRICHLOROFLUOROMETHANE (FR11)	50	55.0	10.0%
DICHLORODIFLUOROMETHANE (FR12)	50	43.0	14.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	57.9	15.8%
BENZENE	50	55.1	10.2%
CHLOROBENZENE	50	52.9	5.8%
ETHYLBENZENE	50	52.7	5.4%
TOLUENE	50	54.8	9.6%
m&p-XYLENES	100	111	11.0%
o-XYLENE	50	53.5	7.0%

ANALYSES PERFORMED ON-SITE IN DOHS CERTIFIED MOBILE LABORATORY (CERT #2579)

ANALYSES PERFORMED BY: MARK BURKE

DATA REVIEWED BY: TAMARA DAVIS

QA/QC CALIBRATION DATA

DATE: 10/26/05
SUPPLY SOURCE: CONTINUING CALIBRATION (OPENING) ECS LOT #LSS-1028
H&P Project #GF101705-L6
SUPPLY SOURCE: QUALITY CONTROL (CLOSING) SUPELCO LOT #LSS-1023
LAB-6
INSTRUMENT: AGILENT 6850 GC / 5973 MASS SPECTROMETER

	OPENING STANDARD			2ND SOURCE		
COMPOUND	MASS	RESULT	%DIFF	MASS	RESULT	%DIFF
CARBON TETRACHLORIDE	50	56.8	13.6%	50	55.1	10.2%
CHLOROETHANE	50	53.0	6.0%	50	51.9	3.8%
CHLOROFORM	50	50.3	0.6%	50	50.3	0.6%
1,1-DICHLORO ETHANE	50	51.7	3.4%	50	52.2	4.4%
1,2-DICHLORO ETHANE	50	51.7	3.4%	50	51.4	2.8%
1,1-DICHLORO ETHENE	50	52.0	4.0%	50	50.1	0.2%
CIS-1,2-DICHLORO ETHENE	50	50.6	1.2%	50	50.3	0.6%
TRANS-1,2-DICHLORO ETHENE	50	50.3	0.6%	50	51.8	3.6%
DICHLOROMETHANE	50	53.4	6.8%	50	54.5	9.0%
TETRACHLORO ETHENE	50	51.1	2.2%	50	52.7	5.4%
1,1,1,2-TETRACHLORO ETHANE	50	57.0	14.0%	50	58.1	16.2%
1,1,2,2-TETRACHLORO ETHANE	50	45.1	9.8%	50	45.9	8.2%
1,1,1-TRICHLORO ETHANE	50	52.9	5.8%	50	50.3	0.6%
1,1,2-TRICHLORO ETHANE	50	50.2	0.4%	50	49.2	1.6%
TRICHLORO ETHENE	50	49.9	0.2%	50	51.0	2.0%
VINYL CHLORIDE	50	49.9	0.2%	50	47.4	5.2%
TRICHLOROFLUOROMETHANE (FR11)	50	51.3	2.6%	50	52.2	4.4%
DICHLORODIFLUOROMETHANE (FR12)	50	42.3	15.4%	50	41.5	17.0%
1,1,2-TRICHLOROTRIFLUOROETHANE (FR113)	50	52.2	4.4%	50	53.9	7.8%
BENZENE	50	52.2	4.4%	50	52.5	5.0%
CHLOROBENZENE	50	51.4	2.8%	50	51.8	3.6%
ETHYLBENZENE	50	51.3	2.6%	50	51.0	2.0%
TOLUENE	50	49.4	1.2%	50	50.4	0.8%
m&p-XYLENES	100	106	6.0%	100	105	5.0%
o-XYLENE	50	51.2	2.4%	50	50.3	0.6%

ANALYSES PERFORMED ON-SITE IN CA DOHS MOBILE LABORATORY #2579
ANALYSES PERFORMED BY: MARK BURKE
DATA REVIEWED BY: TAMARA DAVIS